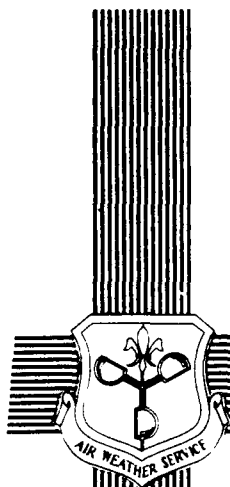


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# SURFACE OBSERVATION CLIMATIC SUMMARIES

FOR  
CROTONE, ITALY

Prepared by

OL-A, USAFETAC  
ASHEVILLE, NORTH CAROLINA  
28801-2723

JUNE 1990

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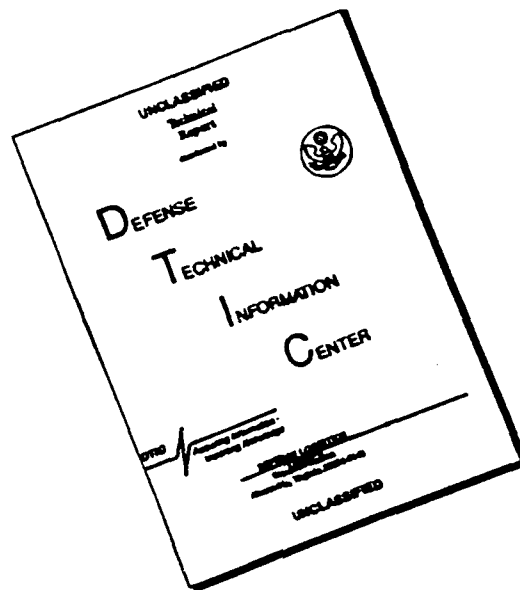
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- 12A. DISTRIBUTION/AVAILABILITY STATEMENT: APPROVED FOR PUBLIC RELEASE, DISTRIBUTION IS UNLIMITED.
13. ABSTRACT: SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) PROVIDE STATISTICAL CLIMATIC SUMMARIES OF SURFACE WEATHER OBSERVATIONS TAKEN AND RECORDED AT SPECIFIED USAF, CIVILIAN AND FOREIGN OBSERVING STATIONS. HOURLY OBSERVATIONS ARE SUMMARIZED FROM A 10-YEAR PERIOD OF RECORD (POR). "SUMMARY OF DAY" (SOD) INFORMATION IS SUMMARIZED FROM ALL AVAILABLE DATA IN THE OL-A, USAFETAC CLIMATIC DATABASE.
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## PREFACE

EFFECTIVE 1 JULY 1988, THE SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) REPLACED TWO OTHER USAFETAC PRODUCTS OF LONG STANDING: THE RUSSWO (REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS) AND LISOCs (LIMITED SURFACE OBSERVATION CLIMATIC SUMMARY). RUSSWOS AND LISOCs NOW IN EXISTENCE WILL CONTINUE TO BE USED UNTIL THEY ARE EVENTUALLY REPLACED BY SOCS.

THIS PRODUCT HAS BEEN ISSUED IN OTHER FORMS UNDER SEVERAL OTHER NAMES. IT WAS INTRODUCED IN THE EARLY 1940'S AS THE "SFCSUM," OR "SURFACE SUMMARY." THE ORIGINAL "USSWO," OR "UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS," DEBUTED IN 1946. THE USSWO GRADUALLY EVOLVED INTO THE "RUSSWO" AND THE "LISOCs." IT FINALLY BECAME THE NEW "SURFACE OBSERVATION CLIMATIC SUMMARIES" OR "SOCS" IN JULY 1988.

THE SOCS (LIKE ITS PREDECESSORS) IS PREPARED BY USAFETAC'S OPERATING LOCATION A AT ASHEVILLE, NC 28801-2723. HERE, CLIMATOLOGISTS USE STATE-OF-THE-ART COMPUTER TECHNOLOGY TO SUMMARIZE WEATHER OBSERVATIONS COLLECTED FROM SELECTED MILITARY, CIVILIAN, AND FOREIGN REPORTING STATIONS. SUMMARIES ARE PREPARED FROM DATA THAT HAS BEEN COLLECTED, QUALITY-CONTROLLED, AND STORED IN OL-A'S WORLDWIDE SURFACE WEATHER OBSERVATION DATABASE.

ALTHOUGH PREVIOUS VERSIONS OF THIS PRODUCT ONLY OFFERED SIX PARTS, SOCS PROVIDES EIGHT (A-H). THE ADDITIONS ARE THE CROSSWIND AND HEATING-COOLING DEGREE DAY SUMMARIES. PRECEDING EACH PART IS A BRIEF DISCUSSION OF THAT PARTICULAR PART, A DESCRIPTION OF THE DATA, AND AN EXPLANATION OF HOW THE DATA IS PRESENTED.

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\*\*\* NOTE: THE AWS CLIMATIC BRIEF IS ATTACHED AT THE END OF THE SOCS \*\*\*

## INTRODUCTION

### STATION PERIOD OF RECORD.

HOURLY OBSERVATIONS: JAN 79 - DEC 88 (METAR).

SUMMARY OF DAY DATA: NONE AVAILABLE (AWS FORMS 10/10A NOT AVAILABLE).

DATA FOR ATMOSPHERIC PHENOMENA (DAYS WITH), PEAK WIND, AND TEMPERATURE SUMMARIES EXTRACTED FROM HOURLY OBSERVATIONS (POR: JUL 57- DEC 88). EXTREMES OCCURRING DURING NON-OPERATIONAL HOURS AND/OR DAYS ARE NOT REFLECTED IN THESE SUMMARIES.

HOURS SUMMARIZED: 0400 LST THROUGH 2000 LST.

DATA SOURCES. THESE SUMMARIES ARE COMPILED FROM "HOURLY OBSERVATIONS" ONLY.

### TERMS EXPLAINED:

BIVARIATE DISTRIBUTION: A BIVARIATE DISTRIBUTION GIVES THE JOINT DISTRIBUTIONS OF TWO RELATED VARIABLES. AN EXAMPLE IS THE BIVARIATE DISTRIBUTION OF CEILING AND VISIBILITIES IN PART D. EACH ROW AND EACH COLUMN OF A BIVARIATE DISTRIBUTION IS A FREQUENCY DISTRIBUTION. JOINT FREQUENCIES ARE FOUND AT THE ROW-COLUMN INTERSECTIONS.

HOURLY OBSERVATIONS: ALL RECORD OR RECORD-SPECIAL OBSERVATIONS AVAILABLE IN OL-A'S DATA BASE AT SCHEDULED HOURLY INTERVALS.

MEAN: THE SUM OF ALL THE VALUES DIVIDED BY THE NUMBER OF VALUES.

MEASURABLE AMOUNT: ANY PRECIPITATION OR SNOWFALL AMOUNT GREATER THAN A TRACE.

MEDIAN: THE MIDDLE VALUE WHEN THE VALUES ARE IN ASCENDING ORDER. IF THE NUMBER OF VALUES IS EVEN, THE MEDIAN IS HALFWAY BETWEEN THE TWO MIDDLE VALUES.

PERCENT OCCURRENCE FREQUENCY (POF): IN STATISTICS, FREQUENCY IS THE NUMBER OF TIMES A GIVEN COUNT OR EVENT OCCURS. IN THE SOCS, THIS IS EXPRESSED AS THE PERCENT OCCURRENCE FREQUENCY (POF), WHERE THE FREQUENCY (NUMBER OF OCCURRENCES) IS GIVEN AS A PERCENT OF ALL POSSIBLE OCCURRENCES IN THE SAMPLE (PERIOD SUMMARIZED). FOR EXAMPLE, IF SNOW FELL ON 5 OUT OF 100 DAYS WE COULD EXPRESS THE "PERCENT OCCURRENCE FREQUENCY" OF SNOW AS 5 PERCENT OVER THE 100-DAY PERIOD. MAY BE USED INTERCHANGEABLY WITH "PERCENT FREQUENCY OF OCCURRENCE."

PERIOD OF RECORD: THE SIZE OF THE OBSERVATIONAL DATA SAMPLE, IN YEARS.

PRECIPITATION: A TERM THAT INCLUDES BOTH LIQUID PRECIPITATION AND WATER EQUIVALENT.

STANDARD DEVIATION: A MEASURE OF DISPERSION ON THE VARIABILITY OF THE QUANTITY CONCERNED ABOUT ITS ARITHMETIC MEAN. THE LARGER THE STANDARD DEVIATION, THE GREATER THE VARIABILITY.

TIME CONVENTIONS: ALL TIMES IN THE SOCS ARE EXPRESSED IN LOCAL STANDARD TIME (LST). USERS SHOULD MAKE ADJUSTMENTS FOR DAYLIGHT SAVING TIMES IN THEIR AREAS. IN SUMMARIES THAT SHOW DIURNAL VARIATIONS, THE DATA IS SUMMARIZED USING THE FOLLOWING STANDARD 3-HOUR PERIODS (ALL LST):

0000-0200	1200-1400
0300-0500	1500-1700
0600-0800	1800-2000
0900-1100	2100-2300

NOTE 1. DURING PART TIME PERIODS, THE FIRST AND LAST 3-HOUR PERIODS MAY HAVE SIGNIFICANT SHORTFALLS IN OBSERVATION COUNTS.

ABBREVIATIONS USED:

AMT	AMOUNT	LT	LESS THAN
ANN	ANNUAL	M	METER
BARO	BAROMETER	MB	MILLIBAR
C	CENTIGRADE (CELSIUS)	MPS	METERS PER SECOND
DEG	DEGREE	MSL	MEAN SEA LEVEL
DB	DRY BULB TEMPERATURE	MEAS	MEASURABLE
DP	DEW POINT TEMPERATURE	NO.	NUMBER
EQ	EQUAL	OBS	OBSERVATION
F	FAHRENHEIT	OBST	OBSTRUCTION
FRZG	FREEZING	POF	PERCENT OCCURRENCE FREQUENCY
FT	FEET	PRECIP	PRECIPITATION
GE	GREATER THAN OR EQUAL TO	SD	STANDARD DEVIATION
GMT	GREENWICH MEAN TIME	SOD	SUMMARY OF DAY
GT	GREATER THAN	TEMP	TEMPERATURE
HG	INCHES OF MERCURY	TSTM	THUNDERSTORM
HT	HEIGHT	VSBY	VISIBILITY
KTS	KNOTS	VSN	VISION
LE	LESS THAN OR EQUAL TO	WB	WET BULB TEMPERATURE
LST	LOCAL STANDARD TIME	WBAN	AWS FORM 10/10A
		UTC	*COORDINATED UNIVERSAL TIME

SUMMARY DESCRIPTION: A BRIEF DESCRIPTION OF THE DATA PRECEDES EACH PART IN THE SOCS.

\* UTC REPLACED GMT ON 1 AUGUST 1988

NOTE: OL-A/USAFETAC DERIVES STATION LATITUDE/LONGITUDE COORDINATES AND AIRFIELD ELEVATION DATA FROM THE AWS MASTER STATION CATALOG. THIS INFORMATION IS PRESENTED ON THE AWS CLIMATIC BRIEF FOR EACH STATION. THE STATION DATA MAY DIFFER FROM INFORMATION CONTAINED IN THE SOCS STATION HISTORY (DATA SUPPLIED BY AWS UNITS). THE STATION DATA MAY ALSO DIFFER FROM DATA PRESENTED IN DOD FLIGHT INFORMATION PUBLICATIONS.

STATION NO.	STATION NAME	LATITUDE	LONGITUDE	FLD ELEV (FT)	CALL SIGN	WMO NMBR
ON SUMMARY						
163500	CROTONE ITALY	N 39 00	E 017 05	517	LIBC	163500
STATION LOCATION AND INSTRUMENTATION HISTORY (NOT AVAILABLE FOR THIS SITE)						

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	AAAAAA
PPPPPPPP	AAAAAAAA	RRRRRRRR	TTTTTTTTTT	AAAAAAAA
PP PP	AA AA	RR RR	TT	AA AA
PP PP	AA AA	RR RR	TT	AA AA
PPPPPPPP	AA AA	RRRRRRRR	TT	AA AA
PPPPPPPP	AAAAAAAA	RRRRRRRR	TT	AAAAAAAA
PP	AAAAAAAA	RR RR	TT	AAAAAAAA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA

PART A

ATMOSPHERIC PHENOMENA SUMMARIES

THIS PART SUMMARIZES SPECIFIED ATMOSPHERIC PHENOMENA IN CATEGORIES AS FOLLOWS:

THUNDERSTORMS: ALL REPORTED OCCURRENCES OF THUNDERSTORMS, TORNADOES, AND WATERSPOUTS.

LIQUID PRECIPITATION: RAIN OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING PRECIPITATION: FREEZING RAIN OR FREEZING DRIZZLE (GLAZE).

FROZEN PRECIPITATION: SNOW, SNOW PELLETS, SLEET, SNOW GRAINS, ICE CRYSTALS, ICE PELLETS. IN JANUARY 1968, SNOW PELLETS BECAME KNOWN AS SMALL HAIL.

HAIL: ALL OCCURRENCES OF HAIL.

ALL PRECIPITATION: INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY BE INCLUDED IN THE SAME OBSERVATION, THE SUM OF PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

FOG: INCLUDES ALL REPORTED FOG, ICE FOG, AND GROUND FOG.

SMOKE AND/OR HAZE: SMOKE, HAZE, OR COMBINATIONS OF THE TWO.

BLOWING SNOW: ALL REPORTS OF BLOWING SNOW, INCLUDING DRIFTING SNOW, WHEN REPORTED.

DUST AND/OR SAND: DUST, SAND, BLOWING DUST, BLOWING SAND, OR COMBINATIONS OF THESE.

BLOWING SPRAY: THE "ALL OBSTRUCTIONS TO VISION" CATEGORY ACCOUNTS FOR BLOWING SPRAY, IF AND AS REPORTED.

ALL OBSTRUCTIONS TO VISION: THIS CATEGORY INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION. SINCE THE OCCURRENCE OF MORE THAN ONE OBSTRUCTION TO VISION MAY BE REPORTED IN THE SAME OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY (POF) FOR THE ATMOSPHERIC PHENOMENA SHOWN. THE DATA WAS TAKEN FROM HOURLY OBSERVATIONS ONLY, AND IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).



SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY (POF).

THIS TABLE IS THE ONLY ONE IN PART A THAT IS PRODUCED FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED MONTHLY AND ANNUALLY FOR ALL YEARS COMBINED.

THUNDERSTORMS--PERCENT OCCURRENCE FREQUENCY.

THIS TABLE GIVES THE PERCENT OCCURRENCE FREQUENCY OF THUNDERSTORMS REPORTED ON THE HOURLY OBSERVATION. DATA IS SUMMARIZED SAME AS FOR FIRST TABLE IN THIS PART.

SPECIFIED PHENOMENA VS WIND DIRECTION--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES INCLUDE SUMMARY OF MONTH FOR ALL HOURS AND YEARS COMBINED. WIND DIRECTION CATEGORIES ARE AS SPECIFIED BY THE LOCAL WEATHER STATION.

NOTE 1: REPORTING PRACTICES HAVE CHANGED WITH TIME. METAR AND SYNOPTIC REPORTING STATIONS RECORD (ON AWS FORMS 10/10A) AND TRANSMIT LONGLINE ONLY THE HIGHEST ORDER ATMOSPHERIC PHENOMENA THAT AFFECTS VISIBILITY. METAR STATIONS STARTED THIS PROCEDURE IN JANUARY 1968, BUT SYNOPTIC STATIONS ALWAYS DID IT THAT WAY. IN JANUARY 1970, METAR STATIONS STARTED RECORDING ALL ATMOSPHERIC PHENOMENA THAT AFFECTED VISIBILITY, BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE RECORDED OBSERVATION INCLUDED RAIN, FOG AND HAZE, ONLY THE RAIN WAS TRANSMITTED. BECAUSE OF THESE PROCEDURES, THE USAFETAC DATABASE WOULD SHOW ONLY RAIN AS AN OBSTRUCTION. THEREFORE, THE OBSTRUCTION TO VISION (AND TO A LESSER EXTENT, PRECIPITATION) SUMMARIES FOR METAR AND SYNOPTIC STATIONS ARE HIGHLY QUESTIONABLE.

NOTE 2: FOREIGN METAR REPORTING STATIONS FREQUENTLY DO NOT TRANSMIT OBSTRUCTIONS TO VISION WHEN VISIBILITIES EXCEED 1000 METERS.

NOTE 3: A VALUE OF ".0" IN ANY SUMMARY REPRESENTS ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

NOTE 4: DURING PART TIME PERIODS, THESE TABLES MAY NOT ACCURATELY REFLECT NIGHTTIME AND/OR WEEKEND OCCURRENCES OF CERTAIN PHENOMENA.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		5.8				5.8	16.8				22.6	399
03-05	.2	5.7		.8		6.5	14.4				20.9	493
06-08	.4	6.2		.8		7.0	15.4				22.4	514
09-11		5.8		.4		6.2	14.9				21.1	503
12-14		6.8		.6		7.4	13.9				21.3	498
15-17		7.0		1.0		8.0	14.8				22.8	501
18-20	.4	6.7		1.0		7.7	18.5				26.2	493
21-23		5.7				5.7	15.8				21.5	405
ALL HOURS	.1	6.2		.6		6.8	15.5				22.3	3806

MONTH: FEB

00-02		4.2				4.2	24.9				29.1	337
03-05		4.9				4.9	24.2				29.0	389
06-08		3.8				3.8	29.2				33.0	391
09-11		3.4			.3	3.7	28.8				32.5	382
12-14	.3	4.0				4.0	24.2				28.2	376
15-17		5.6				5.6	26.8				32.4	373
18-20		6.8				6.8	31.6				38.4	380
21-23		7.6				7.6	27.4				35.1	328
ALL HOURS	.0	5.0			.0	5.0	27.2				32.2	2956

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		4.0				4.0	31.0			.3	35.3	377
03-05	.2	4.5				4.5	29.0				33.5	448
06-08	.2	4.2				4.2	28.8				33.0	455
09-11	.2	4.4		.2		4.6	26.4				31.1	454
12-14	.4	5.6				5.6	26.3				31.8	449
15-17	.5	5.4				5.4	30.9				36.3	444
18-20	.5	6.7				6.7	37.2				43.9	435
21-23	.3	4.8		.3		5.0	32.8				37.8	378
ALL HOURS	.3	4.9		.1		5.0	30.2			.0	35.2	3440

MONTH: APR

00-02		1.9				1.9	35.8				37.7	371
03-05		2.6				2.6	37.6				40.2	460
06-08	.2	4.3				4.3	33.4			.2	37.9	467
09-11	.2	4.1				4.1	27.6				31.7	467
12-14	.2	2.4				2.4	27.5				29.8	459
15-17	.2	2.9				2.9	32.2				35.1	453
18-20		2.6				2.6	36.4				39.0	464
21-23	.3	3.3				3.3	35.5				38.8	369
ALL HOURS	.1	3.0				3.0	33.1			.0	36.2	3510

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		.5				.5	27.5			.3	28.3	364
03-05		.9				.9	28.6				29.5	434
06-08		1.6				1.6	25.1				26.6	447
09-11		.9				.9	24.4				25.3	442
12-14	.2	1.9				1.9	21.3				23.1	432
15-17	.7	2.7				2.7	19.2				22.0	437
18-20	.5	2.1				2.1	21.6				23.7	439
21-23		3.3				3.3	24.5				27.8	363
ALL HOURS	.2	1.7				1.7	23.9			.0	25.7	3358

MONTH: JUN

00-02		1.1				1.1	12.1				13.2	371
03-05							12.2				12.2	443
06-08	.2	.6				.6	12.2				12.8	483
09-11	.2	.4				.4	9.2				9.6	458
12-14	.9	.7				.7	7.0				7.6	460
15-17	.7	.4				.4	7.2				7.6	461
18-20	.4	.9				.9	8.8				9.6	468
21-23		.3				.3	11.7				12.0	376
ALL HOURS	.3	.5				.5	9.9				10.5	3520

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02							15.5				15.5	386
03-05							16.7				16.7	467
06-08	.4	.2				.2	15.5				15.7	485
09-11	.4	.8				.8	11.6			.4	12.8	483
12-14	.8	.8				.8	8.5	.4			9.7	483
15-17	.2	.4				.4	9.0	.2			9.6	489
18-20	.4						13.3				13.3	487
21-23							17.	.3			17.3	375
ALL HOURS	.3	.3				.3	13.2	.1		.1	13.7	3655

MONTH: AUG

00-02	.8	.3			.3	.5	13.0				13.6	376
03-05	.2	.7				.7	12.3				13.0	446
06-08	.2	.7				.7	11.7				12.3	454
09-11	.5	.2				.2	8.4				8.6	442
12-14	.7	.9				.9	7.8				8.7	446
15-17	.2	.4				.4	9.4				9.8	449
18-20							13.8				13.8	434
21-23	.5	.8				.8	14.3				15.1	371
ALL HOURS	.4	.5			.0	.5	11.2				11.8	3418

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	1.1	.8				.8	18.9				19.8	354
03-05	.5	1.4				1.4	17.6				19.0	421
06-08	.5	2.1				2.1	18.7				20.8	423
09-11	.9	1.4				1.4	17.2				18.6	431
12-14	1.4	2.1				2.1	12.7	.2			15.0	433
15-17	1.9	2.3				2.3	13.0				15.3	430
18-20		.7				.7	20.5				21.2	419
21-23		1.1				1.1	19.7				20.8	361
ALL HOURS	.8	1.5				1.5	17.2	.0			18.7	3272

MONTH: OCT

00-02	1.0	2.8				2.8	21.3				24.2	389
03-05	1.3	3.8				3.8	19.9				23.7	468
06-08	.2	3.8				3.8	18.1				21.9	480
09-11	.4	3.0				3.0	17.8				20.8	472
12-14	.6	5.2				5.2	16.8				22.0	463
15-17	2.1	3.6				3.6	20.5	.2			24.4	468
18-20	1.9	3.6				3.6	22.5				26.1	476
21-23	1.5	4.1				4.1	21.1				25.2	389
ALL HOURS	1.1	3.7				3.7	19.7	.0			23.5	3605

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	.6	4.7				4.7	23.6				28.3	360
03-05	1.1	5.0				5.0	20.7				25.7	439
06-08	.7	3.4				3.4	22.2				25.6	446
09-11		3.2				3.2	23.4				26.7	431
12-14		4.9				4.9	20.0				24.9	430
15-17	.7	8.7		.2		8.9	22.8				31.7	439
18-20	.2	6.1				6.1	24.9			.2	31.3	457
21-23	1.9	6.0			.3	6.3	24.7				31.0	365
ALL HOURS	.6	5.3		.0	.0	5.3	22.8			.0	28.1	3367

MONTH: DEC

00-02	.3	5.0				5.0	15.1				20.1	378
03-05	.2	3.3				3.3	13.5				16.8	452
06-08		3.4				3.4	15.5				19.0	464
09-11		4.2				4.2	14.0				18.2	456
12-14	.2	4.3				4.3	16.2				20.5	463
15-17	.6	6.0				6.0	15.8				21.7	469
18-20	.4	3.8				3.8	19.5				23.3	472
21-23	.3	5.5				5.5	17.6				23.2	397
ALL HOURS	.3	4.4				4.4	15.9				20.3	3551

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONA ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	.1	6.2		.6		6.8	15.5				22.3	3806
FEB	.0	5.0			.0	5.0	27.2				32.2	2956
MAR	.3	4.9		.1		5.0	30.2			.0	35.2	3440
APR	.1	3.0				3.0	33.1			.0	36.2	3510
MAY	.2	1.7				1.7	23.9			.0	25.7	3358
JUN	.3	.5				.5	9.9				10.5	3520
JUL	.3	.3				.3	13.2	.1		.1	13.7	3655
AUG	.4	.5			.0	.5	11.2				11.8	3418
SEP	.8	1.5				1.5	17.2	.0			18.7	3272
OCT	1.1	3.7				3.7	19.7	.0			23.5	3605
NOV	.6	5.3		.0	.0	5.3	22.8			.0	28.1	3367
DEC	.3	4.4				4.4	15.9				20.3	3551
ANNUAL	.4	3.1		.1	.0	3.2	19.8	.0		.0	23.0	41458



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 163500 STATION NAME: CROTONE ITALY  
LST TO UTC: -01

PERIOD OF RECORD: 5707-5812,6410-7103,7301-8812  
MONTH: ALL HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	1.7	26.3		1.7		27.2	47.3				59.4	744
FEB	1.2	23.5		.9	.3	24.0	60.1	.1			65.1	676
MAR	1.5	22.2		.4		22.4	60.5				65.6	744
APR	1.7	16.1		.1		16.1	61.9	.1			64.3	690
MAY	2.1	10.3				10.3	50.4	.1			52.1	712
JUN	2.5	5.4				5.4	34.5				35.9	690
JUL	2.3	2.0				2.0	26.3	.4		.1	27.2	744
AUG	3.6	5.2			.3	5.4	32.4	.3			33.6	744
SEP	6.4	10.7				10.7	40.4	.1			44.6	720
OCT	7.9	20.8				20.8	47.7	.6		.3	56.8	775
NOV	5.2	22.6		.1	.1	22.6	46.9	.1			56.7	749
DEC	2.5	26.6		.3		26.7	47.6	.4			56.5	775
ANNUAL	3.3	16.1		.3	.1	16.2	46.2	.2		.0	51.5	8763

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROSTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88

HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
00-02								.8	1.1	1.0	.6	.3
03-05	.2		.2					.2	.5	1.3	1.1	.2
06-08	.4		.2	.2		.2	.4	.2	.5	.2	.7	
09-11			.2	.2		.2	.4	.5	.9	.4		
12-14		.3	.4	.2	.2	.9	.8	.7	1.4	.6		.2
15-17			.5	.2	.7	.7	.2	.2	1.9	2.1	.7	.6
18-20	.4		.5		.5	.4	.4			1.9	.2	.4
21-23			.3	.3				.5		1.5	1.9	.3
ALL HOURS	.1	.0	.3	.1	.2	.3	.3	.4	.8	1.1	.6	.3
TOTAL OBS	3806	2956	3440	3510	3358	3520	3655	3418	3272	3605	3367	3551

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: ALL

PHENOMENA	CALM	VARIABLE	351 - 040	041 - 100	101 - 180	181 - 260	261 - 350	NO OF OBS
TSTMS			20.0			40.0	40.0	5
LIQUID PRECIP	10.3		28.4	13.1	19.5	14.2	14.5	282
FREEZING PRECIP								
FROZEN PRECIP			20.7				79.3	29
FOG	26.9		20.6	4.1	13.2	21.9	13.3	676
FOG WITH VIS GE 1/2 MILES	26.1		20.9	4.1	13.5	21.8	13.6	660
TOTAL OBS	788	2	685	129	240	854	580	3278

MONTH: FEB HOURS: ALL

TSTMS			100.0					1
LIQUID PRECIP	12.2		37.2	6.7	10.4	11.6	22.0	164
FREEZING PRECIP								
FROZEN PRECIP								
FOG	16.6		31.5	1.6	21.8	15.8	12.7	896
FOG WITH VIS GE 1/2 MILES	16.6		31.5	1.6	22.0	15.2	13.1	871
TOTAL OBS	502	0	620	56	286	537	470	2471

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONA ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: ALL

PHENOMENA	CALM	VARIABLE	351 - 040	041 - 100	101 - 180	181 - 260	261 - 350	NO OF OBS
TSTMS	20.0	10.0	20.0		10.0	20.0	20.0	10
LIQUID PRECIP	15.2		19.7	6.2	26.4	19.1	13.5	178
FREEZING PRECIP								
FROZEN PRECIP							100.0	1
FOG	24.1		14.9	3.7	24.1	24.7	8.4	1185
FOG WITH VIS GE 1/2 MILES	23.2		15.2	3.9	23.9	25.2	8.7	1136
TOTAL OBS	827	2	406	136	455	822	240	2888

MONTH: APR HOURS: ALL

TSTMS	16.7		16.7			33.3	33.3	6
LIQUID PRECIP	14.4		22.0	13.6	10.2	12.7	27.1	118
FREEZING PRECIP								
FROZEN PRECIP								
FOG	31.9		12.4	9.0	18.9	23.5	4.2	1368
FOG WITH VIS GE 1/2 MILES	30.8		12.7	9.3	19.2	23.8	4.3	1325
TOTAL OBS	844	0	429	226	382	832	186	2899

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 153500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: ALL

PHENOMENA	CALM	VARIABLE	351 - 040	041 - 100	101 - 180	181 - 260	261 - 350	NO OF OBS
TSTMS	14.3		14.3			71.4		7
LIQUID PRECIP	26.5		22.1	14.7	14.7	20.6	1.5	68
FREEZING PRECIP								
FROZEN PRECIP								
FOG	30.8	.3	10.8	3.9	28.1	24.8	1.2	896
FOG WITH VIS GE 1/2 MILES	31.0	.3	11.3	4.0	28.1	24.2	1.0	860
TOTAL OBS	921	7	309	176	456	767	64	2700

MONTH: JUN HOURS: ALL

TSTMS	8.3		66.7	8.3	8.3		8.3	12
LIQUID PRECIP	41.2		17.6		5.9	35.3		17
FREEZING PRECIP								
FROZEN PRECIP								
FOG	34.6	1.2	10.7	4.1	11.7	35.4	2.2	410
FOG WITH VIS GE 1/2 MILES	34.2	1.2	10.8	4.2	11.6	35.7	2.2	406
TOTAL OBS	838	5	340	225	283	773	81	2545

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONA ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: ALL

PHENOMENA	CALM	VARIABLE	351 - 040	041 - 100	101 - 180	181 - 260	261 - 350	NO OF OBS
TSTMS	9.1		18.2	27.3	18.2	9.1	18.2	11
LIQUID PRECIP	25.0		50.0		25.0			4
FREEZING PRECIP								
FROZEN PRECIP								
FOG	31.6	.2	17.4	4.7	9.5	33.0	3.7	570
FOG WITH VIS GE 1/2 MILES	31.2	.2	17.8	4.8	9.5	32.7	3.8	557
TOTAL OBS	904	10	552	243	347	676	157	2889

MONTH: AUG HOURS: ALL

TSTMS	20.0		46.7	13.3	6.7	13.3		15
LIQUID PRECIP			28.6			14.3	57.1	14
FREEZING PRECIP								
FROZEN PRECIP								
FOG	27.9	.2	20.1	3.4	18.1	25.2	5.0	437
FOG WITH VIS GE 1/2 MILES	27.9	.2	19.9	3.5	18.2	25.2	5.1	433
TOTAL OBS	751	6	584	163	314	557	158	2533

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONA ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: ALL

PHENOMENA	CALM	VARIABLE	351 - 040	041 - 100	101 - 180	181 - 260	261 - 350	NO OF OBS
TSTMS	17.2		31.0	13.8	13.8	13.8	10.3	29
LIQUID PRECIP	12.2		34.1	12.2	14.6	12.2	14.6	41
FREEZING PRECIP								
FROZEN PRECIP								
FOG	34.5		20.1	6.5	17.9	18.8	2.3	661
FOG WITH VIS GE 1/2 MILES	33.3		20.1	6.7	18.4	19.2	2.3	642
TOTAL OBS	788	0	537	190	344	484	142	2485

MONTH: OCT HOURS: ALL

TSTMS	13.0		23.9	6.5	32.6	17.4	6.5	46
LIQUID PRECIP	8.3		25.6	17.3	8.3	23.3	17.3	133
FREEZING PRECIP								
FROZEN PRECIP								
FOG	31.8	.1	22.5	2.7	17.0	23.3	2.6	823
FOG WITH VIS GE 1/2 MILES	29.7	.1	23.0	2.8	17.7	24.0	2.7	787
TOTAL OBS	833	1	663	119	330	856	154	2956

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV HOURS: ALL

PHENOMENA	CALM	VARIABLE	351 - 040	041 - 100	101 - 180	181 - 260	261 - 350	NO OF OBS
TSTMS	13.6		9.1	9.1	18.2	36.4	13.6	22
LIQUID PRECIP	14.6		12.6	20.7	8.6	26.3	17.2	198
FREEZING PRECIP								
FROZEN PRECIP							100.0	1
FOG	37.3		29.1	4.1	13.1	10.0	6.5	863
FOG WITH VIS GE 1/2 MILES	35.5		30.2	4.2	13.1	10.3	6.8	829
TOTAL OBS	762	1	575	156	219	456	533	2702

MONTH: DEC HOURS: ALL

TSTMS	10.0		20.0		10.0	60.0		10
LIQUID PRECIP	9.9		11.6	15.1	18.0	29.1	16.3	172
FREEZING PRECIP								
FROZEN PRECIP								
FOG	30.4		18.5	6.5	23.9	13.6	7.0	611
FOG WITH VIS GE 1/2 MILES	28.3		19.2	6.8	24.8	13.7	7.2	584
TOTAL OBS	717	2	487	149	325	801	348	2829



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTHS: ALL

PHENOMENA	CALM	VARIABLE	351 - 040	041 - 100	101 - 180	181 - 260	261 - 350	NO OF OBS
TSTMS	13.8	.6	27.0	8.6	16.7	23.0	10.3	174
LIQUID PRECIP	13.0		23.0	13.0	15.0	19.3	16.8	1389
FREEZING PRECIP								
FROZEN PRECIP			19.4				80.6	31
FOG	29.5	.1	18.9	4.7	18.9	21.9	5.9	9396
FOG WITH VIS GE 1/2 MILES	28.6	.1	19.3	4.9	19.1	22.0	6.1	9090
TOTAL OBS	9475	36	6187	1968	3981	8415	3113	33175

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	BBBBBBBBBB
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTTT	BBBBBBBBBB
PP PP	AA AA	RR RR	TT	BB BB
PP PP	AA AA	RR RR	TT	BB BB
PPPPPPPP	AA AA	RRRRRRRR	TT	BBBBBBBBBB
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	BBBBBBBBBB
PP	AAAAAAAAA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BBBBBBBBBB
PP	AA AA	RR RR	TT	BBBBBBBBBB

\*\*\* THESE SUMMARIES ARE NOT AVAILABLE \*\*\*

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	CCCCC
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTTT	CCCCCCCC
PP PP	AA AA	RR RR	TT	CC CC
PP PP	AA AA	RR RR	TT	CC
PPPPPPPP	AA AA	RRRRRRRR	TT	CC
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	CC
PP	AAAAAAAAA	RR RR	TT	CC
PP	AA AA	RR RR	TT	CC CC
PP	AA AA	RR RR	TT	CCCCCCCC
PP	AA AA	RR RR	TT	CCCCC

PART C

SURFACE WIND SUMMARIES

PEAK WINDS.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS. SPEEDS ARE IN KNOTS. DIRECTIONS ARE TO 16 COMPASS POINTS FROM THE BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968, BUT IN JULY 1968, ALL STATIONS EXCEPT THOSE OF THE NATIONAL WEATHER SERVICE STARTED RECORDING DIRECTIONS IN TENS OF DEGREES. DATA IS SUMMARIZED BY MONTH FOR EACH YEAR FOR THE ENTIRE PERIOD OF RECORD AVAILABLE. GIVEN: THE GREATEST MONTHLY VALUE FOR ALL YEARS COMBINED, THE GREATEST YEARLY VALUE FOR ALL YEARS COMBINED, AND THE DATE OF THE ABSOLUTE PEAK WIND RECORDED FOR THE ENTIRE PERIOD OF RECORD. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF PEAK SPEEDS ARE AVAILABLE.

PEAK WINDS--PERCENT OCCURRENCE FREQUENCY.

ALSO FROM HOURLY OBSERVATIONS. DATA IS SUMMARIZED BY MONTH, FOR ALL YEARS COMBINED, FOR ELEVEN WIND SPEED GROUPS. THE 1-4 KNOT SPEED GROUP INCLUDES CALM WINDS. IF THE PEAK WIND IS REPORTED FOR A PARTICULAR DAY AS "CALM," THAT COUNT GOES INTO THE "1-4 KNOT" CATEGORY. TABLES INCLUDE MEANS, MEDIANS, AND TOTAL OBSERVATION COUNTS. THE VALUES IN THIS SUMMARY ACCOUNT FOR A PEAK WIND BEING RECORDED FOR EACH DAY OF EACH MONTH.

WIND DIRECTION VS WIND SPEED--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS. THEY SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

THESE TABLES GIVE A BIVARIATE DISTRIBUTION OF THE PERCENT OCCURRENCE FREQUENCY (POF) FOR ELEVEN WIND SPEED GROUPS VERSUS TWELVE WIND DIRECTION SECTORS GIVEN IN 30 DEGREE INCREMENTS. "CALM" AND "VARIABLE" WINDS ARE GIVEN SEPARATELY. CARDINAL WIND DIRECTIONS (N,E,S,W) APPEAR FOR REFERENCE. TOTAL PERCENTAGES, MEANS, AND MEDIANS FOR EACH SECTOR, ALONG WITH TOTAL OBSERVATION COUNTS, ARE PRINTED BELOW EACH SUMMARY.

ALSO PROVIDED: A BIVARIATE DISTRIBUTION OF WIND DIRECTION VERSUS WIND SPEED FOR SPECIFIED CEILING/VISIBILITY CONDITIONS. THESE CONDITIONS ARE:

WHEN THE VISIBILITY IS GREATER THAN OR EQUAL TO 1/2 MILES (0800 METERS) THE CEILING MUST BE GREATER THAN OR EQUAL TO 200 FEET BUT LESS THAN 1500 FEET. IF THIS CONDITION IS NOT MET, THEN THE FOLLOWING CONDITION IS TESTED: WHEN THE CEILING IS GREATER THAN OR EQUAL TO 200 FEET, THE VISIBILITY MUST BE GREATER THAN OR EQUAL TO 1/2 (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS).

CONVERSION: 1 KNOT = .514791 METERS PER SECOND

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 163500 STATION NAME: CROTONE ITALY  
LST TO UTC: -01

PERIOD OF RECORD: 5707-5812,6410-7103,7301-8812  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
57							24/ 25	24/ 18	18/ 20	34/ 22	30/ 28	27/ 25	30/*28
58	27/ 21	27/ 20	23/ 28	19/ 22	01/ 20	23/ 25	04/ 18	04/ 20	01/ 22	19/ 22	16/ 25	21/ 29	21/ 29
64										24/ 44	33/ 30	12/ 35	24/*44
65	34/ 35	36/ 37	24/ 35	35/ 27	21/ 26	36/ 30	24/ 22	18/ 30	02/ 25	35/ 22	23/ 34	25/ 32	36/ 37
66	22/ 35	26/ 27	35/ 34	21/ 30	22/ 30	22/ 30	22/ 24	19/ 28	34/ 25	23/ 24	14/ 32	35/ 34	22/ 35
67	34/ 33	14/ 37	35/ 40	17/ 26	21/ 24	21/ 27	36/ 25	01/ 23	25/ 25	35/ 28	33/ 32	32/ 36	35/ 40
68	20/ 37	11/ 35	33/ 30	33/ 25	19/ 21	24/ 26	34/ 30	35/ 29	20/ 25	34/ 38	11/ 30	19/ 33	34/ 38
69	33/ 34	20/ 35	05/ 29	23/ 28	35/ 25	24/ 24	23/ 27	20/ 23	36/ 24	35/ 27	19/ 29	19/ 33	20/ 35
70	36/ 25	22/ 35	25/ 30	24/ 25	25/ 30	36/ 20	20/ 24	24/ 25	36/ 23	34/ 27	26/ 24	19/ 19	22/ 35
71	15/ 22	36/ 18	21/ 17										15/*22
3	12/ 44	26/ 31	27/ 30	27/ 36	05/ 23	24/ 24	25/ 21	04/ 16	29/ 20	10/ 26	24/ 24	25/ 25	12/ 44
74	36/ 27	24/ 41	15/ 23	25/ 24	24/ 28	36/ 18	35/ 24	20/ 20	20/ 24	23/ 40	14/ 30	32/ 37	24/ 41
75	35/ 29	33/ 27	24/ 32	22/ 40	21/ 27	20/ 24	28/ 27	21/ 22	21/ 22	22/ 36	12/ 31	33/ 30	22/ 40
76	31/ 49	35/ 34	35/ 34	23/ 22	01/ 18	23/ 23	25/ 24	36/ 23	24/ 25	20/ 29	35/ 30	23/ 40	31/ 49
77	19/ 37	32/ 30	33/ 42	24/ 35	23/ 20	20/ 22	32/ 29	18/ 24	21/ 31	23/ 22	27/ 43	36/ 40	27/ 43
78	01/ 49	36/ 45	36/ 46	22/ 28	23/ 41	24/ 42	23/ 18	23/ 30	36/ 42	34/ 45	24/ 46	23/ 61	23/ 61
79	21/ 51	24/ 41	23/ 23	25/ 35	36/ 29	23/ 24	22/ 40	24/ 23	10/ 31	36/ 44	28/ 26	27/ 45	21/ 51
80	25/ 44	36/ 35	VAR 38	22/ 32	24/ 33	23/ 19	19/ 22	23/ 21	03/ 19	35/ 29	01/ 35	26/ 34	25/ 44
81	01/ 50	34/ 28	23/ 24	21/ 24	24/ 25	22/ 19	24/ 28	36/ 20	2/ 19	18/ 20	33/ 23	23/ 46	01/ 50
82	20/ 23	32/ 22	33/ 27	34/ 21	17/ 15	22/ 15	35/ 22	19/ 13	01/ 17	27/ 28	17/ 26	18/ 30	18/ 30
83	23/ 37	33/ 33	18/ 28	22/ 21	22/ 23	36/ 25	36/ 20	18/ 19	25/ 33	36/ 24	21/ 26	32/ 28	23/ 37
84	32/ 27	14/ 26	22/ 25	33/ 24	22/ 28	22/ 26	36/ 17	17/ 22	24/ 25	36/ 17	10/ 25	07/ 29	07/ 29
85	20/ 34	36/ 26	20/ 29	21/ 27	18/ 17	18/ 20	01/ 21	22/ 22	34/ 22	36/ 26	20/ 26	22/ 27	20/ 34
86	21/ 26	23/ 26	16/ 21	21/ 24	34/ 20	02/ 21	33/ 20	18/ 17	36/ 20	02/ 25	36/ 20	33/ 33	33/ 33
87	16/ 39	33/ 33	33/ 37	33/ 30	32/ 25	19/ 22	36/ 19	18/ 20	21/ 15	34/ 19	34/ 29	03/ 31	16/ 39
88	22/ 22	18/ 21	25/ 30	35/ 20	18/ 18	23/ 19	22/ 18	19/ 16	35/ 24	21/ 20	33/ 20	36/ 38	36/ 38

PEAK SURFACE WINDS IN KNOTS  
FROM SUMMARY OF DAY DATA

PERIOD OF RECORD: 5707-5812, 6410-7103, 7301-8812  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GREATEST	21/ 51	36/ 45	36/ 46	22/ 40	23/ 41	24/ 42	22/ 40	18/ 30	36/ 42	34/ 45	24/ 46	23/ 61	23/ 61
TOTAL OBS	744	676	744	690	712	690	744	744	720	775	749	775	8763

THE PEAK WIND OF 61 FROM 23/ OCCURRED ON 12/14/78

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH  
\$THE VALUE IS 100 OR GREATER WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY PEAK WINDS  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 163500 STATION NAME: CROTONE ITALY  
LST TO UTC: -01

PERIOD OF RECORD: 5707-5812,6410-7103,7301-8812  
MONTH: ALL HOURS: ALL

MONTH	WIND SPEEDS IN KNOTS											MEAN MEDIAN		TOTAL
	CALM-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	WIND	WIND	
JAN	5.6	21.5	23.7	19.2	13.6	9.1	3.1	1.9	2.0	.3	.0	15.6	14.0	744
FEB	3.4	21.2	24.0	26.8	15.7	6.4	1.3	.9	.4	.0	.0	15.0	15.0	676
MAR	2.6	22.6	25.9	25.3	13.0	6.0	3.0	.8	.8	.0	.0	14.9	14.0	744
APR	1.2	31.0	26.7	21.9	13.8	4.3	.6	.4	.1	.0	.0	13.6	13.0	690
MAY	2.2	38.8	29.6	21.2	5.3	2.2	.4	.0	.1	.0	.0	11.7	11.0	712
JUN	.3	34.5	39.3	18.0	6.1	1.3	.4	.0	.1	.0	.0	12.0	11.0	690
JUL	.5	33.1	39.7	17.7	6.5	2.3	.1	.0	.1	.0	.0	12.2	12.0	744
AUG	.5	30.5	40.9	19.8	6.2	1.9	.3	.0	.0	.0	.0	12.3	12.0	744
SEP	1.4	33.5	31.7	22.8	7.9	2.1	.4	.1	.1	.0	.0	12.5	12.0	720
OCT	3.1	29.7	29.9	22.7	9.2	3.4	.4	1.0	.6	.0	.0	13.2	12.0	775
NOV	6.0	26.3	29.1	20.3	11.3	4.4	2.0	.3	.3	.0	.0	13.3	12.0	749
DEC	7.6	22.5	21.9	21.2	14.3	6.5	3.6	1.5	.8	.1	.0	14.8	14.0	775
ANNUAL	2.9	28.7	30.2	21.4	10.2	4.2	1.3	.6	.5	.0	.0	13.4	12.0	8763

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: 00-02

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		1.0	4.3	2.3	1.8	1.5	.3	.3					11.3	11.8	10.0
020-040		2.8	4.3	1.0	.3								8.3	6.3	5.0
050-070		.8					.3						1.0	9.3	4.0
(E) 080-100			.5										.5	7.5	7.5
110-130		1.0	1.0		.3								2.3	6.4	5.0
140-160			.5		.5								1.0	11.0	11.0
(S) 170-190		.5	2.0	1.0	.3	.3	.3						4.3	10.2	9.0
200-220		1.0	6.3	4.0	2.8	.8	.3	.5					15.6	11.3	10.0
230-250		1.8	4.5	1.8	.8	.5	.3		.3				9.8	10.2	8.0
(W) 260-280		.3	.8	.3									1.3	6.8	7.0
290-310		.5	.8	.3									1.5	5.8	5.0
320-340		2.0	4.8	2.5	3.0	1.3							13.6	10.4	9.0
VARIABLE															
CALM		////////////////////////////////////										29.6	////////////////////////////////		
TOTALS		11.7	29.8	13.2	9.8	4.4	1.5	.8	.3				100.0	7.0	8.0

TOTAL NUMBER OF OBSERVATIONS 398



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64			
(N) 350-010	1.8	4.1	3.3	1.6	1.2	.8	.2	.2			13.3	11.9	10.0
020-040	3.9	3.3	1.0	.6							8.8	6.3	5.0
050-070		.4		.4							.8	11.8	11.5
(E) 080-100		1.0									1.0	7.6	7.0
110-130	.2	.4	.4								1.0	7.2	5.0
140-160		.4	.8			.2					1.4	12.1	12.0
(S) 170-190	.4	1.2	.2	.8							2.7	9.8	8.0
200-220	2.3	4.9	3.7	1.8	1.0	.4	.2				14.3	10.7	9.5
230-250	.8	4.5	3.3	1.4	.4	.4					10.9	10.6	10.0
(W) 260-280	.4	.6	.6	.4							2.0	8.3	8.0
290-310	.4	.2	.8	.2							1.6	9.5	10.0
320-340	.8	4.5	2.7	1.4	1.0	.2					10.7	11.0	9.5
VARIABLE		.2									.2	9.0	9.0
CALM	////////////////////////////////////										31.1	////////////////////////////////	
TOTALS	11.0	25.7	16.8	8.6	3.6	2.0	.4	.2			100.0	7.0	8.0

TOTAL NUMBER OF OBSERVATIONS 488

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	4.7	1.8	1.2	2.0	.2	.4					11.5	11.7	8.0
020-040	4.1	3.9	2.0	.8	.2							11.0	7.1	5.0
050-070	.6	1.2		.4								2.2	7.1	5.0
(E) 080-100		1.0										1.0	6.0	6.0
110-130		.4										.4	5.5	5.5
140-160	.2	.6					.2					1.0	10.8	7.0
(S) 170-190	.4	2.5	1.0	.8								4.7	9.5	8.0
200-220	1.8	5.9	4.3	1.0	1.0	.2						14.1	9.8	8.0
230-250	.6	2.9	2.0	1.0	.4	.6						7.4	11.5	10.0
(W) 260-280	.2	1.0	.4	.6	.2							2.3	9.8	8.5
290-310	.4	1.4	.2									2.0	6.7	7.0
320-340	.6	4.3	3.5	2.2	1.2							11.7	11.0	10.5
VARIABLE	.2											.2	10.0	10.0
CALM	////////////////////////////////////											30.5	////////////////////////////////	
TOTALS	10.3	29.8	15.4	8.0	5.0	1.0	.6					100.0	6.8	8.0

TOTAL NUMBER OF OBSERVATIONS 511

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: 09-11

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.0	3.4	2.8	1.4	.8	.4	.6					10.4	12.1	10.0
020-040	2.4	6.8	1.8	2.0								13.1	8.1	7.0
050-070	.2	.8	.2									1.2	6.0	5.0
(E) 080-100	.2	1.8		.2								2.2	6.8	6.0
110-130	.2	.2		.4		.2						1.0	14.0	17.0
140-160	.2	.4										.6	5.0	5.0
(S) 170-190	.4	3.4	1.6	1.4	.2	.4						7.4	11.1	9.0
200-220	1.0	5.0	4.8	2.4	.6							13.9	10.4	10.0
230-250	.4	3.8	2.4	.8	1.2			.2				8.8	11.6	10.5
(W) 260-280	.6	.8	.4	.4	.2	.2						2.6	10.8	7.0
290-310		.6										.6	5.0	5.0
320-340	.6	2.8	4.0	3.2	1.8	.6	.2				13.3	13.9	14.0	
VARIABLE	.2											.2	9.0	9.0
CALM	////////////////////////////////////											24.7	////////////////////////////////	
TOTALS	7.2	30.0	18.0	12.2	4.8	1.8	.8	.2				100.0	8.2	10.0

TOTAL NUMBER OF OBSERVATIONS 498

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	3.0	2.8	2.8	1.0	1.2	.4					12.5	13.7	12.5
020-040	1.8	9.3	3.6	1.0	.4	.6						16.7	9.3	8.0
050-070	.6	2.2	.4	.2								3.4	7.0	6.0
(E) 080-100	.4	1.2	.2		.2							2.0	7.3	6.0
110-130		1.0			.2							1.2	9.8	8.0
140-160	.6	.6	.2	.2								1.6	7.1	5.0
(S) 170-190	.4	3.8	1.2	1.4	.6	.2						7.7	10.9	9.0
200-220	1.4	5.0	5.4	3.8	1.4	.2	.4					17.7	12.2	12.0
230-250	.6	3.6	4.2	2.2	1.0	.6						12.3	12.2	12.0
(W) 260-280	.2	.8	.4	.2	1.0							2.6	13.7	14.0
290-310	.2	.2	.2									.6	8.0	7.0
320-340	.6	1.8	3.2	2.4	2.4	.2						10.7	13.9	14.0
VARIABLE														
CALM	////////////////////											10.9	////////	
TOTALS	8.0	32.5	21.8	14.2	8.2	3.0	.8					100.0	10.3	10.0
TOTAL NUMBER OF OBSERVATIONS 496														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.2	3.8	3.0	3.2	1.0	1.0	.6	.2				14.1	13.8	13.0
020-040	4.0	7.6	4.2	.4	.2		.2					16.7	7.9	7.0
050-070	2.0	3.0	.4			.2						5.6	6.4	5.5
(E) 080-100	.4	1.2	.4	.2								2.2	7.5	6.0
110-130	1.2	.4	.6	.4	.2							2.8	9.2	6.5
140-160	.6	.6	.2		.2	.2						1.8	10.2	6.0
(S) 170-190	.4	3.8	1.4	.4	.8	.4						7.2	10.8	8.0
200-220	1.6	4.4	6.0	2.4	.8	.2	.2					15.7	11.3	11.0
230-250	.6	3.0	4.0	2.2	1.2	.6						11.7	12.8	13.0
(W) 260-280	.2	.4	.8	.6	.4	.2	.2					2.8	14.9	14.0
290-310	.2											.2	2.0	2.0
320-340	.2	1.2	2.0	1.8	1.6	.8						7.6	15.4	15.0
VARIABLE														
CALM	////////////////////////////////////										11.5	////////////////////////////////		
TOTALS	12.6	29.4	23.0	11.6	6.4	3.6	1.2	.2				100.0	9.9	10.0
TOTAL NUMBER OF OBSERVATIONS 497														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	4.9	2.2	.8	1.4	1.4	.8					12.6	13.5	10.0
020-040	2.2	6.3	1.2	.4								10.2	6.4	5.0
050-070	1.0	.8	.2	.2								2.2	6.3	5.0
(E) 080-100			.2	.6	.2							1.0	15.6	15.0
110-130			.2	.2	.2							.6	17.0	19.0
140-160	.4		.6		.2							1.2	9.7	10.0
(S) 170-190	.6	2.9	2.4	1.0	.2	.2						.2	10.6	10.0
200-220	1.6	6.7	4.3	1.0	.4	.4		.4	.2			15.1	10.9	9.0
230-250	.8	3.3	3.3	1.0		.4	.2					9.0	11.1	10.0
(W) 260-280	.4	1.0	1.0		.2							2.6	8.8	6.0
290-310		.2	.2									.4	9.0	9.0
320-340	.4	3.3	2.2	2.0	1.4	.6						10.0	13.2	13.0
VARIABLE														
CALM	////////////////////////////////////											27.7	////////////////////////////////	
TOTALS	8.4	29.4	18.0	7.2	4.2	3.0	1.0	.4	.2			100.0	7.9	9.0

TOTAL NUMBER OF OBSERVATIONS 491

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: 21-23

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.2	3.5	2.5	1.2	1.7	.5	.2					11.9	11.6	10.0
020-040	2.7	3.7	.2	.5								7.2	5.6	5.0
050-070	.7		.5									1.2	6.6	4.0
(E) 080-100			.5	.2								.7	12.7	12.0
110-130	1.0		.5			.2						1.7	9.6	4.0
140-160		.2	.2									.5	9.0	9.0
(S) 170-190	.7	3.0	1.0	1.0	.7	.2						6.7	10.8	8.0
200-220	1.2	4.5	3.5	2.7	.7	.2		.5				13.4	11.9	10.0
230-250	1.5	4.7	1.7	1.0	.5	.2	.2					10.0	9.8	7.0
(W) 260-280	.2	.7	.5	.5								2.0	9.4	9.5
290-310		.2										.2	6.0	6.0
320-340	1.7	3.0	2.0	2.2	2.2	.5						11.7	12.3	10.0
VARIABLE														
CALM	////////////////////////////////////											32.6	////////	
TOTALS	11.9	23.5	13.1	9.3	5.8	1.8	.4	.5				100.0	7.1	8.0
TOTAL NUMBER OF OBSERVATIONS 402														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: ALL

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND	
(N) 350-010		1.3	4.0	2.6	1.8	1.3	.7	.4	.1				12.2	12.6	11.0
020-040		3.0	5.7	2.0	.8	.1	.1	.0					11.7	7.5	6.0
050-070		.7	1.1	.2	.2		.1						2.3	7.0	5.0
(E) 080-100		.1	.9	.2	.2	.1							1.4	8.3	6.0
110-130		.4	.4	.2	.2	.1	.1						1.3	9.4	7.0
140-160		.3	.4	.3	.1	.1	.1	.0					1.2	9.6	7.0
(S) 170-190		.5	2.9	1.2	.9	.3	.2						6.0	10.6	9.0
200-220		1.5	5.3	4.5	2.2	.8	.2	.2	.1	.0			15.0	11.1	10.0
230-250		.8	3.8	2.9	1.3	.7	.4	.1	.1				10.0	11.3	10.0
(W) 260-280		.3	.8	.6	.3	.3	.1	.0					2.3	10.8	10.0
290-310		.2	.4	.2	.0								.9	7.1	6.0
320-340		.8	3.2	2.8	2.3	1.6	.4	.0					11.1	12.6	13.0
VARIABLE												.1	9.3	9.0	
CALM												24.5			
TOTALS		9.9	29.0	17.7	10.3	5.4	2.4	.7	.3				100.0	8.1	9.0

TOTAL NUMBER OF OBSERVATIONS 3781



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010		1.1	1.9	1.4	.5	1.6	3.6	.5				10.7	22.9	25.0
020-040	1.4	4.4	6.6	2.5	.3	.3						15.4	10.8	10.0
050-070		1.6	.8	.8		.3						3.6	11.3	11.0
(E) 080-100		3.6	1.4	1.1	.5							6.6	10.3	8.5
110-130	.5	1.4	1.6	1.4	.5	.3						5.8	13.4	13.0
140-160	.3	.5	1.1	.3	.5	.3						3.0	13.5	13.0
(S) 170-190	1.4	4.4	3.3	3.6	1.1							13.7	11.6	11.0
200-220	.5	4.1	3.0	3.0	.3	.3	.3	.3				11.8	12.4	11.0
230-250	.3	.5	.5	.3								1.6	10.5	10.5
(W) 260-280														
290-310			.8									.8	12.3	13.0
320-340	.5	.5	3.0	4.7	3.3	.8	.3					13.2	17.0	18.0
VARIABLE														
CALM	////////////////////////////////////											13.7	////////////////////////////////	
TOTALS	4.9	22.1	24.0	19.1	7.0	3.9	4.2	.8				100.0	12.0	13.0
TOTAL NUMBER OF OBSERVATIONS 364														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB HOURS: 00-02

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		1.5	8.1	3.0	.9	.9	.3						14.6	9.2	7.0
020-040		2.4	4.5	.6	.6								8.1	6.7	7.0
050-070			.3										.3	8.0	8.0
(E) 080-100			.9										.9	7.3	7.0
110-130				.6									.6	12.5	12.5
140-160			.6	.3	.3								1.2	11.3	9.5
(S) 170-190		.6	2.4	2.7	1.2	.3							7.2	10.7	10.0
200-220		3.0	4.2	3.0	.6		.3						11.0	8.1	8.0
230-250		1.2	6.3	3.3	.3	.9	.3	.3					12.5	10.0	8.0
(W) 260-280		.3	.9		.3								1.5	6.6	5.0
290-310		.3	1.5	.6		.3							2.7	7.9	5.0
320-340		.9	3.3	3.3	2.1	.6							10.1	10.6	10.0
VARIABLE															
CALM		////////////////////////////////////												29.3	////////////////////////////////
TOTALS		10.2	33.0	17.4	6.3	3.0	.9	.3					100.0	6.5	8.0

TOTAL NUMBER OF OBSERVATIONS 335

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB HOURS: 03-05

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.5	8.7	4.1	1.5	1.0							17.0	9.5	8.0
020-040	1.8	3.9	.8	.8								7.2	7.0	5.0
050-070			.3									.3	10.0	10.0
(E) 080-100		.5	.3		.3							1.0	12.5	11.0
110-130		.5		.3								.8	9.0	6.0
140-160		.8	1.8	.3	.3							3.1	11.3	10.0
(S) 170-190	.8	2.6	2.3	.8	.3	.3						6.9	10.6	10.0
200-220	2.1	5.7	2.8	.3	.5							11.3	8.4	8.0
230-250	.8	4.4	2.1	1.3	.5	.5						9.5	10.5	8.0
(W) 260-280	.3		.3									.5	6.5	6.5
290-310	.3	1.5	.5									2.3	7.3	7.0
320-340	2.1	5.1	2.6	1.8	1.0		.3					12.9	10.0	8.0
VARIABLE														
CALM	////////////////////////////////////											27.2	////////////////////////////////	
TOTALS	9.7	33.7	17.9	7.1	3.9	.8	.3					100.0	6.9	8.0

TOTAL NUMBER OF OBSERVATIONS 389

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.1	6.4	2.3	2.8	1.0							15.7	9.3	8.0
020-040	1.3	3.6	.3	.5	.5							6.2	8.0	6.0
050-070		.5										.5	7.0	7.0
(E) 080-100		.8										.8	7.0	7.0
110-130		.3	.3									.5	9.0	9.0
140-160	.3	1.0	1.0	1.3								3.6	11.5	13.0
(S) 170-190	.5	2.8	1.3	.5								5.2	8.8	8.0
200-220	1.8	6.2	2.1	.5	.5	.3						11.3	8.7	7.0
230-250	1.0	3.6	.8	.8	.5	.3						7.0	10.0	8.0
(W) 260-280		.5										.5	7.0	7.0
290-310		.5	.3									.8	7.7	8.0
320-340	2.8	5.9	3.4	2.8	2.1	.5						17.5	11.0	9.5
VARIABLE														
CALM	////////////////////////////////////											30.4	////////////////////////////////	
TOTALS	10.8	32.1	11.8	9.2	4.6	1.1						100.0	6.7	8.0

TOTAL NUMBER OF OBSERVATIONS 388

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB HOURS: 09-11

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.8	6.3	4.5	2.1	1.3	.3						16.4	10.5	9.5
020-040	3.4	6.1	2.4	.3	.3							12.4	7.2	7.0
050-070	.5	.5	.3									1.3	6.8	6.0
(E) 080-100	.5	.5	.3	.3								1.6	7.3	6.0
110-130				.3								.3	15.0	15.0
140-160		1.1	2.4	.5	.5							4.5	12.6	13.0
(S) 170-190	.8	2.6	1.8	1.1	.3							6.6	9.6	8.0
200-220	1.3	4.2	5.0	3.2	.3							14.0	10.8	10.0
230-250	1.8	3.7	1.1	.8		.3						7.7	8.7	7.0
(W) 260-280		.5										.5	8.0	8.0
290-310	.3	.3	.3									.8	6.3	5.0
320-340	.5	5.0	2.1	5.3	2.1	.5						15.6	13.0	15.0
VARIABLE														
CALM	////////////////////////////////////											18.5	////////////////////////////////	
TOTALS	10.9	30.8	20.2	13.9	4.8	1.1						100.0	8.3	9.0
TOTAL NUMBER OF OBSERVATIONS 379														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	4.0	4.0	3.2	1.1	1.1						13.9	13.3	12.0
020-040	2.1	10.7	5.6	1.9								20.4	8.5	8.0
050-070	.3	1.9	.3									2.4	6.2	5.0
(E) 080-100	.5	.3		.3								1.1	7.3	5.5
110-130	.5	.5		.5								1.6	9.0	6.5
140-160	1.1	1.1	1.3	1.1	.3	.3						5.1	11.6	12.0
(S) 170-190	.3	4.0	3.2	1.1	.8	.3						9.7	11.4	10.5
200-220	1.1	5.6	5.9	2.9	2.1	.3						18.0	11.7	11.0
230-250	.3	1.3	3.5	1.3	1.1							7.5	13.0	13.0
(W) 260-280	.3	.3	.5									1.1	8.8	9.0
290-310	.5	.3		.3								1.1	7.5	6.0
320-340	1.3	1.3	2.7	3.2	3.2	1.3						13.1	15.6	16.0
VARIABLE														
CALM	////////////////////											5.1	////////	
TOTALS	8.8	31.3	27.0	15.8	8.6	3.3						100.0	11.0	10.0
TOTAL NUMBER OF OBSERVATIONS 373														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB HOURS: 15-17

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		1.6	4.0	3.0	3.8	.5							12.9	11.5	12.5
020-040		2.7	8.6	7.0	1.6								19.9	8.5	8.0
050-070		1.1	1.3	.5									3.0	5.6	5.0
(E) 080-100		1.1	.8	.3									2.2	5.3	4.5
110-130		.8	.3		.3								1.3	6.6	4.0
140-160			2.7	1.9	.3	.3							5.1	10.4	9.0
(S) 170-190		.5	5.4	3.0	1.9	.3							11.0	10.3	9.0
200-220		.5	7.5	7.3	2.7	.8							18.8	10.8	10.0
230-250		.8	2.7	2.2	1.9	.3							7.8	10.8	10.0
(W) 260-280			.5										.5	7.5	7.5
290-310		.3	.3		.5	.3							1.3	13.6	17.0
320-340		.8	1.6	2.7	4.6	.5	.5						10.8	13.8	15.0
VARIABLE															
CAM		////////////////////////////////////											5.4	////////////////////////////////	
TOTALS		10.2	35.7	27.9	17.6	3.0	.5						100.0	9.8	10.0

TOTAL NUMBER OF OBSERVATIONS 372

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB HOURS: 18-20

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		1.9	4.5	4.0	2.7								13.0	9.7	10.0
020-040		4.2	7.4	1.3	.3								13.3	6.0	5.5
050-070				.3									.3	14.0	14.0
(E) 080-100		.3											.3	2.0	2.0
110-130		.3	.5	.3	.3								1.3	8.4	6.0
140-160			1.3	1.6									2.9	9.6	10.0
(S) 170-190		1.1	2.9	1.9	.5								6.4	8.6	8.5
200-220		2.4	8.0	3.7	1.9	.3							16.2	8.7	7.0
230-250		.8	4.5	2.9	.8	.8	.3						10.1	10.4	8.0
(W) 260-280		.5	.8	.3			.3						1.9	9.7	6.0
290-310		.8	.8		.3	.3							2.1	8.5	7.0
320-340		1.1	3.7	2.9	1.3	.5							9.5	10.5	9.5
VARIABLE															
CALM		////////////////////////////////////										22.8	////////////////////////////////		
TOTALS		13.4	34.4	19.2	8.1	1.9	.6						100.0	6.9	7.0
TOTAL NUMBER OF OBSERVATIONS 377															



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5	6.5	3.1	.9	.3	.3						12.6	9.1	8.0
020-040	4.0	4.3	.9	.3								9.5	5.9	5.0
050-070	.3			.3								.6	10.5	10.5
(E) 080-100	.3		.3									.6	6.5	6.5
110-130	.6	.9	.3	.3								2.2	8.4	8.0
140-160	.6	.9	1.2									2.8	8.0	8.0
(S) 170-190	1.5	3.4	1.8	.9								7.7	8.7	7.0
200-220	2.8	6.8	2.5	.9	.3	.3						13.5	8.4	7.0
230-250	.9	5.2	1.5	1.2	.6							9.5	9.5	8.0
(W) 260-280	.6	.6	.3									1.5	6.2	6.0
290-310		.6	.3	.6								1.5	11.8	10.0
320-340	.6	3.7	3.4	1.5	.3	.3						9.8	10.8	10.0
VARIABLE														
CALM	////////////////////											28.0	////////	
TOTALS	13.7	32.9	15.6	6.9	1.5	.9						100.0	6.3	7.0
TOTAL NUMBER OF OBSERVATIONS 325														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	6.1	3.5	2.3	.8	.2						14.6	10.2	9.0
020-040	2.7	6.2	2.4	.8	.1							12.2	7.5	6.0
050-070	.3	.6	.2	.0								1.1	6.8	5.5
(E) 080-100	.3	.5	.1	.1	.0							1.1	7.2	6.0
110-130	.3	.4	.2	.2								1.1	8.8	7.0
140-160	.2	1.2	1.5	.5	.2	.0						3.6	11.0	10.0
(S) 170-190	.7	3.3	2.2	1.0	.2	.1						7.6	10.0	9.0
200-220	1.8	6.0	4.1	1.6	.6	.1						14.3	9.7	9.0
230-250	1.0	3.9	2.1	1.1	.6	.2	.0					8.9	10.4	8.0
(W) 260-280	.2	.5	.2	.0		.0						1.0	7.8	6.0
290-310	.3	.7	.2	.2	.1							1.6	8.8	7.5
320-340	1.3	3.7	2.9	2.9	1.3	.4	.0					12.5	12.0	12.0
VARIABLE														
CALM	////////////////////////////////////											20.7	////////////////////////////////	
TOTALS	10.8	33.1	19.6	10.7	3.9	1.0						100.0	7.8	8.0

TOTAL NUMBER OF OBSERVATIONS 2938

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	7.6	5.1	2.0	.6							16.7	9.9	9.0
020-040	2.8	5.9	2.3	1.4								12.4	8.0	7.0
050-070		.6	.8									1.4	9.8	10.0
(E) 080-100		.6	.8	.3	.3							2.0	12.6	10.0
110-130		1.1	1.4	1.1								3.7	11.8	12.0
140-160	.3	4.8	5.6	1.7	.8	.3						13.6	11.3	10.0
(S) 170-190	1.1	5.6	5.9	2.5	.6	.3						16.1	11.1	11.0
200-220	.3	4.5	4.5	1.4	.8							11.6	11.0	10.0
230-250	.3	.6	1.1	.6	.3		.3					3.1	13.5	12.0
(W) 260-280	.3											.3	3.0	3.0
290-310	.3	.3	.3	.6								1.4	11.4	12.0
320-340	1.1	.8	2.5	2.0								6.5	11.9	14.0
VARIABLE														
CALM	////////////////////////////////////											11.3	////////	
TOTALS	7.9	32.4	30.3	13.6	3.4	.6	.3					100.0	9.4	10.0

TOTAL NUMBER OF OBSERVATIONS 354

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.8	1.6	1.3	.5								4.2	8.4	7.0
020-040	2.9	5.3	.3									8.5	5.3	5.0
050-070			.3									.3	10.0	10.0
(E) 080-100		.5	.3									.8	8.3	7.0
110-130	.5	.3			.3							1.1	8.5	5.5
140-160	1.6	1.1	.8	.3	.3							4.0	8.1	5.0
(S) 170-190	1.6	2.7	2.1	.3	.3							6.9	8.2	7.5
200-220	4.0	5.8	3.7	1.3								14.9	7.6	7.0
230-250	1.3	4.0	2.7	.8								8.8	8.5	7.0
(W) 260-280	.3	.5										.8	6.0	7.0
290-310	1.1	.8	.3	.3								2.4	7.2	5.0
320-340	.5	2.7	1.9	.8	.3	.3						6.4	11.1	9.5
VARIABLE														
CALM	////////////////////////////////////										41.1	////////////////////////////////		
TOTALS	14.6	25.3	13.7	4.3	1.2	.3						100.0	4.7	7.0

TOTAL NUMBER OF OBSERVATIONS 377

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	.9	.7	.4								3.4	7.9	6.0
020-040	2.7	3.6	.7									6.9	5.9	5.0
050-070				.2								.2	16.0	16.0
(E) 080-100		.2										.2	6.0	6.0
110-130	.7	.4	.7	.2								2.0	9.1	8.0
140-160	.7	1.1	.4									2.2	7.3	7.5
(S) 170-190	.9	3.4	1.8	.2	.2							6.5	8.2	8.0
200-220	3.4	9.4	5.6	.4	.4							19.2	8.2	7.5
230-250	.9	2.5	1.1	.2								4.7	7.6	6.0
(W) 260-280	.2	.2	.2									.7	6.3	6.0
290-310	.7	.9	.2									1.8	5.8	5.5
320-340	.7	4.5	2.0	1.1		.2						8.5	9.4	8.0
VARIABLE														
CALM	////////////////////////////////////											43.6	////////////////////////////////	
TOTALS	12.2	27.1	13.4	2.7	.6	.2						100.0	4.5	7.0

TOTAL NUMBER OF OBSERVATIONS 447

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONA ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: 06-08

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.3	2.0	2.2									5.5	7.9	8.0
020-040	1.8	2.6	.4	.2								5.1	6.1	5.0
050-070	.2	.7	.2									1.1	6.0	6.0
E) 080-100		.2										.2	8.0	8.0
110-130		1.8	1.5									3.3	9.2	9.0
140-160	.4	1.8	.4	.2								2.9	8.2	8.0
(S) 170-190	1.1	2.2	1.1									4.4	7.1	6.5
200-220	4.8	5.9	4.0	1.5	.2							16.5	8.2	8.0
230-250	1.8	2.9	2.4	1.1								8.1	8.5	8.0
(W) 260-280		.7										.7	5.7	5.0
290-310	.2	.4	.7	.2								1.5	9.6	10.0
320-340	1.5	4.2	1.8	.9	.4	.2						9.0	9.2	7.0
VARIABLE														
CALM	////////////////////////////////////											41.8	////////////////////////////////	
TOTALS	13.1	25.4	14.7	4.1	.6	.2						100.0	4.7	7.0
TOTAL NUMBER OF OBSERVATIONS 455														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.0	2.6	2.4	.9	.4							8.4	9.5	8.5
020-040	2.9	9.1	.9	.4	.2							13.5	7.1	6.0
050-070	2.6	2.2	.2									5.1	5.0	4.0
(E) 080-100	.7	.7		.2								1.5	6.1	5.0
110-130	.4	2.4		.2	.2							3.3	8.3	7.0
140-160	.4	2.4	1.8	.9								5.5	8.9	8.0
(S) 170-190	2.2	4.6	1.8	2.4								11.0	9.1	7.0
200-220	2.4	4.9	4.0	2.4	.7							14.3	10.0	9.0
230-250	1.3	2.6	2.0	.7	1.1							7.7	10.8	8.0
(W) 260-280	.2	.4		.4								1.1	10.0	5.0
290-310	1.3	.2		.2	.2	.2						2.2	8.7	4.0
320-340	1.8	1.1	2.2	2.2	.9	.2						8.4	12.1	12.0
VARIABLE														
CALM	////////////////////////////////////											17.9	////////////////////////////////	
TOTALS	18.2	33.2	15.3	10.9	3.7	.4						100.0	7.5	8.0

TOTAL NUMBER OF OBSERVATIONS 453

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: 12-14

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	.4	1.3	2.2	2.0								6.1	11.6	12.0
020-040	3.8	7.2	3.4	.4	.2							15.0	7.7	8.0
050-070	1.1	7.0	.4									8.5	6.7	7.0
(E) 080-100	1.8	1.8		.2								3.8	5.4	5.0
110-130	.9	2.5	.2		.2	.2						4.0	7.5	5.0
140-160	.9	4.0	2.7	.7	.2							8.5	9.0	8.0
(S) 170-190	2.2	5.2	2.7	2.9		.4						13.5	10.0	8.0
200-220	1.3	8.1	7.2	4.0	1.1							21.7	10.8	10.0
230-250	.7	2.0	3.1	2.2	.9		.2					9.2	12.6	13.0
(W) 260-280		.2		.2	.2							.7	14.7	19.0
290-310				.2		.4						.7	22.3	25.0
320-340	.2	.7	.9	1.6	.4	.7						4.5	15.8	16.0
VARIABLE					.2	.2						.4	24.5	24.0
CALM	////////////////////////////////////											3.4	////////////////////////////////	
TOTALS	13.3	40.0	22.8	14.4	3.4	1.9	.2					100.0	9.6	8.0
TOTAL NUMBER OF OBSERVATIONS 446														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: 15-17

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		.5	1.4	3.2	1.6								6.5	11.3	12.0
020-040		2.5	7.9	2.5	.5	.2							13.5	7.3	6.5
050-070		1.8	5.0	.5									7.2	6.1	6.0
(E) 080-100		.9	.7										1.6	5.0	4.0
110-130		1.6	1.8	1.4		.5	.2						5.4	8.5	60
140-160		2.3	3.6	1.4	1.1	.2							8.6	8.4	6.5
(S) 170-190		1.6	5.6	4.3	2.5	.5							14.4	10.1	9.5
200-220		.9	6.8	9.3	2.3	.7	.2						20.1	11.2	11.0
230-250		.2	1.4	3.8	4.1	.7							10.2	13.3	13.0
(W) 260-280		.2	.7			.2							1.1	9.0	7.0
290-310			.5	.2	.2								.9	9.5	8.0
320-340		.2	.5	.9	1.6	.9	.7						4.7	16.6	16.0
VARIABLE															
CALM		////////////////////////////////////										5.6	////////////////////////////////		
TOTALS		12.7	35.9	27.5	13.9	3.9	1.1						100.0	9.5	9.0
TOTAL NUMBER OF OBSERVATIONS 443															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	2.1	.9	1.1								5.3	9.7	8.0
020-040	3.4	5.3	.5									9.2	5.3	5.0
050-070	.5	.5										.9	4.5	4.5
(E) 080-100	.7	.5										1.1	4.6	4.0
110-130	.7	.2	.7									1.6	8.0	7.0
140-160	.9	1.6	1.4	.5	.5							4.8	9.3	9.0
(S) 170-190	2.1	5.7	2.5	1.4	.2							12.0	8.7	8.0
200-220	3.0	9.9	4.4	.5		.2						17.9	7.9	7.0
230-250	1.4	4.1	3.2	.9								9.7	9.1	8.0
(W) 260-280		.9	.5									1.4	7.7	8.0
290-310	.2	.7										.9	5.5	6.0
320-340	.9	1.4	1.4	1.6	.2	.2						5.7	12.3	12.0
VARIABLE														
CALM	////////////////////////////////////											29.4	////////////////////////////////	
TOTALS	14.9	32.9	15.5	6.0	.9	.4						100.0	5.9	7.0
TOTAL NUMBER OF OBSERVATIONS 435														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: 21-23

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		.3	.8	1.6	.3	.3							3.2	11.0	11.0
020-040		2.4	3.2	.5									6.1	5.1	5.0
050-070		.5	.8										1.3	4.8	6.0
(E) 080-100				.3									.3	14.0	14.0
110-130		.5	.5	.8									1.9	7.7	7.0
140-160		.5	1.6	.8	1.1								4.0	9.3	8.0
(S) 170-190		1.1	3.7	3.2	1.1								9.0	9.3	9.0
200-220		4.0	7.1	2.6	1.6	.5							15.9	8.2	7.0
230-250		1.3	2.9	1.1	.5								5.8	7.9	7.0
(W) 260-280		.3	.5										.8	6.7	8.0
290-310		.3	.5		.3								1.1	7.3	5.5
320-340		.3	4.0	2.6	.8	.8							8.5	11.1	10.0
VARIABLE															
CALM		////////////////////////////////////										42.3	////////////////////////////////		
TOTALS		11.5	25.6	13.5	5.7	1.6							100.0	4.9	8.0
TOTAL NUMBER OF OBSERVATIONS 378															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: ALL

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND	
(N) 350-010		1.0	1.6	1.8	.9	.1							5.4	9.8	10.0
020-040		2.8	5.6	1.2	.2	.1							9.8	6.6	6.0
050-070		.9	2.1	.2	.0								3.2	6.1	6.0
(E) 080-100		.5	.6	.1	.1								1.2	5.9	5.0
110-130		.7	1.3	.7	.1	.1	.1						2.9	8.4	7.0
140-160		1.0	2.2	1.2	.6	.1							5.1	8.7	7.0
(S) 170-190		1.6	4.2	2.4	1.4	.1	.1						9.8	9.2	8.0
200-220		2.9	7.3	5.2	1.8	.5	.1						17.6	9.2	8.0
230-250		1.1	2.8	2.4	1.3	.3		.0					8.0	10.2	10.0
(W) 260-280		.1	.5	.1	.1	.1							.9	8.4	7.0
290-310		.5	.5	.2	.2	.0	.1						1.4	8.6	6.0
320-340		.8	2.3	1.7	1.3	.5	.3						7.0	11.7	11.0
VARIABLE		.0					.0						.1	24.5	24.0
CALM		////////////////////////////////////										27.6	////////////////////////////////		
TOTALS		13.9	31.0	17.2	8.0	1.9	.7						100.0	6.5	8.0

TOTAL NUMBER OF OBSERVATIONS 3434

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	1.6	1.9	.9								5.1	10.3	11.0
020-040	1.6	4.4	1.2	.9								8.2	7.8	7.0
050-070	.5	2.1	.2	.2								3.0	7.1	6.0
(E) 080-100	.2	1.2	.5	.5								2.3	9.1	6.5
110-130	.2	3.7	3.5	.5	1.2	.5						9.6	12.0	10.0
140-160	.9	5.1	5.4	3.3	1.2							15.9	11.2	10.5
(S) 170-190	1.9	5.6	5.8	4.0	.5							17.7	10.5	10.0
200-220	2.8	7.7	7.7	.9		.2						19.3	9.1	9.0
230-250		.7	.2									.9	8.3	8.5
(W) 260-280		.5										.5	5.0	5.0
290-310	.5			.2								.7	8.3	4.0
320-340	.2	.2	.7	.7	.5							2.3	14.3	15.0
VARIABLE														
CALM	////////////////////////////////////											14.5	////////////////////////////////	
TOTALS	9.5	32.8	27.1	12.1	3.4	.7						100.0	8.6	10.0

TOTAL NUMBER OF OBSERVATIONS 429

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	2.7	.8	.5								4.9	8.1	7.0
020-040	2.7	4.4	.8									7.9	5.8	5.0
050-070	.8	.8										1.6	4.5	4.5
(E) 080-100	.5											.5	3.5	3.5
110-130	.3	.3										.5	4.5	4.5
140-160	.3	1.4										1.6	5.8	6.5
(S) 170-190	.8	2.5	1.4	.3								4.9	8.1	7.0
200-220	4.9	7.9	1.4	.3	.3							14.7	6.1	5.0
230-250	1.9	4.9	1.4	.8								9.0	7.4	6.0
(W) 260-280	.5	.3										.8	4.7	4.0
290-310	.3		.3									.5	8.5	8.5
320-340	.5	2.2	.8	.5	.3							4.4	9.3	7.0
VARIABLE														
CALM	////////////////////////////////////											48.5	////////////////////////////////	
TOTALS	14.3	27.4	6.9	2.4	.6							100.0	3.5	6.0
TOTAL NUMBER OF OBSERVATIONS 367														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9	2.2	.7	.4								4.2	7.1	5.0
020-040	3.1	4.8	1.3									9.2	5.9	6.0
050-070	2.2	.9										3.1	3.9	4.0
(E) 080-100	1.1											1.1	3.8	4.0
110-130		.2										.2	7.0	7.0
140-160	.2	.4										.7	5.3	6.0
(S) 170-190	1.1	2.6	.9									4.6	6.9	6.0
200-220	2.2	8.8	2.6	.9								14.4	7.3	6.0
230-250	2.4	3.3	1.5	.7								7.9	7.1	6.0
(W) 260-280	.2	.4										.7	5.0	5.0
290-310	.2	.4										.7	4.0	5.0
320-340	1.5	3.1	.9		.2							5.7	7.1	6.0
VARIABLE														
CALM	////////////////////////////////////											47.7	////////////////////////////////	
TOTALS	15.1	27.1	7.9	2.0	.2							100.0	3.4	6.0

TOTAL NUMBER OF OBSERVATIONS 457

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4	3.0	.6	.6								4.7	9.0	8.0
020-040	4.7	5.8	1.3		.2							12.0	5.9	5.0
050-070	.6	1.3			.2							2.1	6.5	5.0
(E) 080-100	.6	.2										.9	4.5	3.5
110-130	.4											.4	4.0	4.0
140-160		.4										.4	6.0	6.0
(S) 170-190	2.4	1.9	.9									5.2	5.5	5.0
200-220	4.5	6.2	3.0	.4	.2							14.4	7.0	6.0
230-250	2.4	2.1	1.7	.4								6.7	7.8	6.0
(W) 260-280	.2											.2	2.0	2.0
290-310	.9	.9										1.7	5.0	4.5
320-340	2.1	3.0	.6	1.1	.2							7.1	7.6	6.0
VARIABLE														
CALM	////////////////////////////////////											44.2	////////////////////////////////	
TOTALS	19.2	24.8	8.1	2.5	.8							100.0	3.8	5.0

TOTAL NUMBER OF OBSERVATIONS 466



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.2	2.2	1.7	1.3	.2	.2						5.8	11.6	11.0
020-040	1.9	12.1	3.5	.9								18.4	7.8	7.0
050-070	2.6	4.5	.2									7.3	5.4	6.0
(E) 080-100	.9	1.7										2.6	5.1	5.5
110-130	1.7	.4	.4									2.6	5.1	4.0
140-160	1.7	3.9	.4									6.0	5.8	5.5
(S) 170-190	2.2	5.6	2.8	.9	.2							11.7	8.1	7.0
200-220	4.1	6.7	3.9	2.2	.2							17.1	8.6	8.0
230-250	1.3	2.2	2.6	.6	.4							7.1	9.5	10.0
(W) 260-280			.2	.2								.4	14.5	14.5
290-310	.2	.4										.6	6.0	5.0
320-340	.6	.9	1.5	.6	1.1							4.8	13.0	14.0
VARIABLE														
CALM	////////////////////////////////////										15.6	////////////////////////////////		
TOTALS	17.4	40.6	17.2	6.7	2.1	.2						100.0	6.9	7.0

TOTAL NUMBER OF OBSERVATIONS 463

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010		1.1	2.0	1.3		.2						4.6	12.7	12.0
020-040	1.3	6.6	5.3	.9								14.0	9.0	9.0
050-070	4.2	9.2	1.3									14.7	6.0	6.0
(E) 080-100	.9	3.3	.4									4.6	6.0	6.0
110-130	.7	3.9	.7									5.3	6.6	6.0
140-160	1.8	6.1	.4	.2	.2							8.8	6.7	6.0
(S) 170-190	1.8	7.9	3.3	1.8	.4							15.1	9.0	8.0
200-220	1.1	7.0	7.0	2.4	2.0	.4						20.0	11.4	10.0
230-250	.2	1.1	2.2	2.4	1.3							7.2	14.2	15.0
(W) 260-280														
290-310	.2		.2									.4	8.0	8.0
320-340	.2	.7	1.1		.4	.2						2.6	13.3	12.5
VARIABLE														
CALM	////////////////////////////////////											2.6	////////////////////////////////	
TOTALS	12.4	46.9	23.9	9.0	4.3	.8						100.0	9.0	8.0

TOTAL NUMBER OF OBSERVATIONS 456

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR HOURS: 15-17

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	.2	1.1	1.3	1.6	.2							4.5	12.1	12.0
020-040	.9	7.8	2.2									10.9	7.6	7.0
050-070	2.0	4.2	1.3									7.6	6.3	6.0
(E) 080-100	1.6	2.2	.9									4.7	6.0	5.0
110-130	1.6	2.0	.2									3.8	5.2	5.0
140-160	3.1	4.0		.4								7.6	5.7	5.0
(S) 170-190	1.3	8.0	5.3	2.0	.2							16.9	9.3	9.0
200-220	1.1	8.9	9.8	2.7	.4	.2						23.2	10.6	10.0
230-250		1.1	2.7	2.4	.2	.2						6.7	13.4	13.5
(W) 260-280	.2	.9	.4	.2								1.8	8.5	8.0
290-310	.4			.2								.7	7.0	4.0
320-340	.2	.7	.4	1.3	.2		.2					3.1	13.9	15.0
VARIABLE														
CALM	////////////////////////////////////											8.7	////////	
TOTALS	12.6	40.9	24.5	10.8	1.2	.4	.2					100.0	8.3	8.0
TOTAL NUMBER OF OBSERVATIONS 449														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR HOURS: 18-20

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		.4	1.7	1.3	.2	.4							4.1	10.1	9.0
020-040		1.9	3.0	.9	.2								6.1	6.5	6.0
050-070		2.2	1.3										3.5	4.4	4.0
(E) 080-100		1.3	.4										1.7	4.5	4.0
110-130		1.3	.2										1.5	3.9	3.0
140-160		1.7	2.4	.4									4.5	5.4	5.0
(S) 170-190		2.2	5.2	1.9	.2	.2							9.7	7.2	6.0
200-220		4.1	15.8	3.5	.6	.2	.2						24.5	7.3	6.0
230-250		1.3	4.8	4.3	1.3								11.7	9.3	9.0
(W) 260-280		.2	.9	.2		.2							1.5	8.6	6.0
290-310		.4	.4										.9	5.0	4.5
320-340		.4	1.3	.9	.2	.2							3.0	10.1	8.5
VARIABLE															
CALM		////////////////////////////////////										27.3	////////////////////////////////		
TOTALS		17.4	37.4	13.4	2.7	1.2	.2						100.0	5.4	6.0

TOTAL NUMBER OF OBSERVATIONS 462

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR HOURS: 21-23

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	.8	1.6	.5	1.4								4.3	9.8	8.5
020-040	.8	4.3	1.4	.3								6.8	7.6	7.0
050-070	.8	.8										1.6	5.2	4.5
(E) 080-100		.3										.3	6.0	6.0
110-130		.3										.3	7.0	7.0
140-160	.5	.8										1.4	4.6	5.0
(S) 170-190	3.0	1.9	1.6	.5								7.1	7.3	5.0
200-220	6.0	11.1	.8	.3								18.2	5.7	5.0
230-250	1.6	4.9	1.4									7.9	6.6	6.0
(W) 260-280	.5	.3			.3							1.1	8.8	5.0
290-310		.5										.5	6.0	6.0
320-340	1.1	2.4	.3	.5								4.3	7.4	6.0
VARIABLE														
CALM	////////////////////////////////////											46.2	////////////////////////////////	
TOTALS	15.1	29.2	6.0	3.0	.3							100.0	3.6	6.0
TOTAL NUMBER OF OBSERVATIONS 368														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN %	WIND WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	50-64	GE 65		
(N) 350-010	.5	1.9	1.1	.9	.1	.1						4.6	10.1
020-040	2.2	6.2	2.1	.3	.0							10.8	7.2
050-070	2.0	3.0	.4		.0							5.4	5.6
(E) 080-100	.9	1.1	.2									2.1	5.4
110-130	.8	.9	.2									1.9	5.5
140-160	1.2	2.5	.2	.1	.0							4.0	5.9
(S) 170-190	1.8	4.6	2.3	.7	.1							9.5	8.1
200-220	3.4	9.0	4.1	1.3	.4	.1						18.4	8.3
230-250	1.4	3.0	2.3	1.1	.3	.0						8.0	9.4
(W) 260-280	.2	.3	.1	.1	.1							.8	8.0
290-310	.3	.3	.1	.0								.8	5.8
320-340	.9	1.7	.8	.5	.3	.0	.0					4.4	9.7
VARIABLE													
CALM	////////////////////////////////////										29.3	////////////////////////////////	
TOTALS	15.6	34.5	13.9	5.0	1.3	.2						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 3488

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION   (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3	2.2	1.9	1.6	.3							6.2	11.2	11.0
020-040	1.9	6.2	2.7	.3								11.0	7.7	7.0
050-070	2.7	3.8	.3									6.7	5.0	5.0
(E) 080-100	1.6	2.4	.3									4.3	6.1	6.0
110-130	.8	.8										1.6	5.2	5.0
140-160	1.9	4.3	.5	.5								7.3	6.7	6.0
(S) 170-190	4.0	6.2	4.8	3.0	.3							18.3	8.9	8.0
200-220	3.2	7.3	3.0	1.9	.3							15.6	8.4	7.0
230-250														
(W) 260-280														
290-310														
320-340	1.3	1.3	.3	.8	.5							4.3	10.4	8.0
VARIABLE														
CALM	////////////////////////////////////											24.7	////////////////////////////////	
TOTALS	17.7	34.5	13.8	8.1	1.4							100.0	6.1	7.0

TOTAL NUMBER OF OBSERVATIONS 372

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONA ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: 00-02

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		.5	2.2	.8	.3								3.8	7.8	7.0
020-040		2.2	2.5	.8	.3								5.8	6.4	5.0
050-070		.3	.3										.5	5.5	5.5
(E) 080-100		.3											.3	4.0	4.0
110-130															
140-160			.3	.3									.5	8.5	8.5
(S) 170-190		4.1	3.0	.8	.8								8.8	6.2	5.0
200-220		4.4	7.7	2.2									14.3	6.1	5.0
230-250		1.4	4.1	.8									6.3	6.5	6.0
(W) 260-280		.5	.8										1.4	5.6	6.0
290-310															
320-340			2.5										2.5	6.3	6.0
VARIABLE															
CALM		////////////////////////////////////											55.8	////////////////////////////////	
TOTALS		13.7	23.4	5.7	1.4								100.0	2.8	5.0

TOTAL NUMBER OF OBSERVATIONS 364



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: 03-05

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	.9	1.6	.2									2.8	5.8	5.0
020-040	.9	3.5	1.9									6.3	7.0	6.0
050-070	.2											.2	4.0	4.0
(E) 080-100														
110-130	.2	.2										.5	4.5	4.5
140-160	.2											.2	4.0	4.0
(S) 170-190	1.6	2.8	1.6		.2							6.3	7.6	7.0
200-220	2.6	5.8	.9	.7		.2						10.2	7.1	6.0
230-250	1.4	2.3	.5	.5								4.6	6.4	5.0
(W) 260-280	.7	.2										.9	3.8	4.0
290-310	.7	.2										.9	4.3	4.0
320-340	.2	1.9										2.1	6.1	6.0
VARIABLE														
CALM	////////////////////////////////////											65.0	////////	
TOTALS	9.6	18.5	5.1	1.2	.2	.2						100.0	2.3	6.0
TOTAL NUMBER OF OBSERVATIONS 431														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	1.8	1.3	.2								4.0	8.0	8.0
020-040	1.8	6.1	1.1	.7								9.7	7.2	6.0
050-070	.4	.9										1.3	4.5	5.0
(E) 080-100	.4	.4										.9	4.0	4.0
110-130	.7											.7	3.3	4.0
140-160	.4		.2									.7	5.3	3.0
(S) 170-190	2.0	4.5	.7	.2								7.4	6.3	6.0
200-220	3.6	4.3	.9	.7	.2							9.7	6.9	5.0
230-250	1.6	2.0	.7	.2								4.5	6.3	5.5
(W) 260-280	.4	.4										.9	4.3	4.0
290-310	.2	.4										.7	5.0	5.0
320-340	.9	2.0	.4									3.4	6.5	7.0
VARIABLE														
CALM	////////////////////											56.2	////////	
TOTALS	13.1	22.8	5.3	2.0	.2							100.0	2.9	6.0
TOTAL NUMBER OF OBSERVATIONS 445														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE C

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	.9	1.4	1.4	.2							4.5	11.3	11.5
020-040	3.9	8.8	3.9	1.8								18.4	8.1	7.0
050-070	2.5	4.3	.2									7.0	5.2	5.0
(E) 080-100	.9	3.6	.2									4.8	5.7	5.0
110-130	2.0	2.9										5.0	5.5	5.0
140-160	1.8	2.3	.2									4.3	5.1	5.0
(S) 170-190	2.9	7.0	2.7	.7								13.4	7.4	7.0
200-220	5.9	5.7	4.8	.9								17.2	7.4	7.0
230-250	1.1	1.8	.5	1.1	.7							5.2	10.7	8.0
(W) 260-280	.7	.2										.9	4.5	3.5
290-310	.2											.2	4.0	4.0
320-340	.9	.7	1.4	.2		.2						3.4	9.1	10.0
VARIABLE	.2	.7										.9	6.8	7.5
CALM	////////////////////											14.7	////////////////	
TOTALS	23.7	38.9	15.3	6.1	.9	.2						100.0	6.4	6.0

TOTAL NUMBER OF OBSERVATIONS 441

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010		.5	.9	.7	.5							2.6	15.2	14.0
020-040	1.9	6.1	2.6	1.4								11.9	8.4	8.0
050-070	2.3	9.3	2.3									14.0	7.3	7.0
(E) 080-100	1.4	2.1	.2									3.7	5.5	5.0
110-130	2.1	4.0	.2	.5								6.8	6.2	5.0
140-160	2.6	4.9	.5	.2								8.2	6.1	6.0
(S) 170-190	3.0	10.7	5.8	1.9								21.5	8.6	8.0
200-220	2.1	9.8	5.1	1.9	.5	.2						19.6	9.0	8.0
230-250	.5	.9	1.9	2.1	.5							5.8	13.2	14.0
(W) 260-280		.2										.2	8.0	8.0
290-310														
320-340			.5		.2							.7	15.7	14.0
VARIABLE		.5	.2									.7	8.0	8.0
CALM	////////////////////////////////////											4.2	////////////////////////////////	
TOTALS	15.9	49.0	20.2	8.7	1.7	.2						100.0	8.1	8.0

TOTAL NUMBER OF OBSERVATIONS 428

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.2	.9	.7	.5								2.3	9.6	9.5
020-040	.9	6.4	3.2	1.4								11.9	8.7	8.0
050-070	2.1	6.4	.7									9.2	6.3	6.0
(E) 080-100	.5	.7										1.1	4.6	5.0
110-130	1.6	1.6										3.2	4.9	4.5
140-160	1.1	3.7	1.4	.2								6.4	7.0	5.5
(S) 170-190	4.4	10.1	6.9	2.5								23.9	8.4	8.0
200-220	1.8	15.1	8.0	1.4	.2							26.6	8.5	8.0
230-250	.5	2.5	2.8	2.1								7.8	11.1	11.0
(W) 260-280	.2	.5	.5									1.1	8.6	8.0
290-310	.5	.2										.7	4.3	4.0
320-340		.5		.2								.7	9.7	8.0
VARIABLE														
CALM	////////////////////////////////////										5.0	////////////////////////////////		
TOTALS	13.8	48.6	24.2	8.3	.2							100.0	7.8	7.0
TOTAL NUMBER OF OBSERVATIONS 436														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2	.9	.9									2.1	8.0	9.0
020-040	2.3	4.1	.9	.7								8.0	6.6	5.0
050-070	2.1	1.4										3.4	4.2	4.0
(E) 080-100	.2	.2										.5	5.0	5.0
110-130	.7	.2	.2									1.1	5.6	3.0
140-160		.9	.7									1.6	8.7	6.0
(S) 170-190	4.1	8.3	3.4	1.1								17.0	7.6	7.0
200-220	4.4	17.7	2.8	.7								25.5	6.7	6.0
230-250	1.8	5.0	1.6	.2								8.7	7.3	7.0
(W) 260-280		.7										.7	6.7	7.0
290-310	.2											.2	4.0	4.0
320-340	.5	.5										.9	4.8	4.5
VARIABLE														
CALM	////////////////////////////////////											30.3	////////////////////////////////	
TOTALS	16.5	39.9	10.5	2.7								100.0	4.8	6.0
TOTAL NUMBER OF OBSERVATIONS 436														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: 21-23

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	.8	1.7	.6	1.4								4.4	9.4	8.0
020-040	4.1	2.2	.8	.3								7.5	5.4	4.0
050-070	.6											.6	4.0	4.0
(E) 080-100	.6	.3										.8	4.0	4.0
110-130	.6											.6	2.5	2.5
140-160		.3										.3	5.0	5.0
(S) 170-190	4.7	3.9	1.9	.3								10.8	6.2	5.0
200-220	7.2	8.0	1.9	.3								17.4	5.7	5.0
270-250	1.7	5.5	1.4	.3								8.8	7.1	7.0
(W) 260-280	.6	.3										.8	4.0	3.0
290-310														
320-340		.8										.8	5.7	5.0
VARIABLE														
CALM	////////////////////////////////////											47.2	////////////////////////////////	
TOTALS	20.9	23.0	6.6	2.6								100.0	3.3	5.0
TOTAL NUMBER OF OBSERVATIONS 362														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	1.3	.9	.5	.1							3.3	9.4	9.0
020-040	2.2	5.1	1.9	.8								10.1	7.5	7.0
050-070	1.3	2.9	.4									4.7	6.1	5.0
(E) 080-100	.5	1.0	.1									1.6	5.3	5.0
110-130	1.0	1.2	.1	.1								2.3	5.5	5.0
140-160	.8	1.6	.4	.1								2.9	6.4	5.0
(S) 170-190	3.3	6.4	3.1	1.0	.0							13.8	7.7	7.0
200-220	3.9	9.3	3.4	.8	.1	.1						17.6	7.4	7.0
230-250	1.2	3.0	1.3	.8	.1							6.4	8.7	8.0
(W) 260-280	.4	.4	.1									.9	5.6	5.0
290-310	.2	.1										.4	4.4	4.0
320-340	.3	1.1	.3	.1	.0	.0						1.8	7.5	6.0
VARIABLE	.0	.1	.0									.2	7.3	8.0
CALM	////////////////////////////////////											34.1	////////	
TOTALS	15.6	33.5	12.0	4.2	.3	.1						100.0	4.9	6.0

TOTAL NUMBER OF OBSERVATIONS 3343



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	.4	.8	1.2	.8							3.2	9.6	10.0
020-040	2.8	8.3	1.6								12.6	6.5	6.0
050-070	.4	2.0									2.4	5.8	5.0
(E) 080-100	.4	2.0									2.4	5.2	5.5
110-130	.8	.4									1.2	4.3	4.0
140-160	.4	1.2	2.4	.4							4.3	9.8	10.0
(S) 170-190	4.0	15.8	7.1	4.3	.4						31.6	9.2	8.0
200-220	2.4	7.5	4.7	.4							15.0	7.7	7.5
230-250	.4	.4		.4							1.2	10.0	8.0
(W) 260-280	.4										.4	3.0	3.0
290-310													
320-340	.4	.4									.8	5.0	5.0
VARIABLE													
CALM	////////////////////////////////////										24.9	////////////////////////////////	
TOTALS	12.8	38.8	17.0	6.3	.4						100.0	6.1	7.0

TOTAL NUMBER OF OBSERVATIONS 253

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUN HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	2.7	.3									3.8	6.2	5.0
020-040	2.7	3.0	.3									6.0	4.8	5.0
050-070	.5											.5	4.0	4.0
(E) 080-100														
110-130	.5											.5	2.0	2.0
140-160	.5											.5	3.5	3.5
(S) 170-190	1.1	.5	1.1									2.7	7.3	6.0
200-220	5.4	7.9	1.9	.3								15.4	6.2	5.0
230-250	1.6	2.2	.5									4.3	5.8	5.0
(W) 260-280	.5	.3										.8	3.7	4.0
290-310	1.1	.5										1.6	3.7	3.5
320-340	.8	.5										1.4	4.0	4.0
VARIABLE														
CALM	////////////////////////////////////											62.3	////////////////////////////////	
TOTALS	15.5	17.6	4.1	.3								100.0	2.1	5.0

TOTAL NUMBER OF OBSERVATIONS 369

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUN HOURS: 03-05

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.1	2.5	1.4	.2								5.2	7.4	5.0
020-040	2.0	2.7										4.8	4.9	5.0
050-070	.2	.7										.9	4.5	5.0
(E) 080-100			.2									.2	12.0	12.0
110-130	.5	.5										.9	4.0	4.5
140-160														
(S) 170-190		.5	.2									.7	8.7	8.0
200-220	5.7	5.5	1.1	.5								12.7	5.9	5.0
230-250	.9	.9	.5									2.3	6.2	5.0
(W) 260-280	.2											.2	4.0	4.0
290-310		.2										.2	5.0	5.0
320-340	.2	.9	.2									1.4	6.8	6.0
VARIABLE														
CALM	////////////////////////////////////											70.5	////////	
TOTALS	10.8	14.4	3.6	.7								100.0	1.8	5.0

TOTAL NUMBER OF OBSERVATIONS 440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.1	3.5	1.9	.4								7.9	7.1	6.0
020-040	3.7	7.7	1.0	.4								12.9	6.2	6.0
050-070	1.7	1.5										3.1	4.5	4.0
(E) 080-100	.6											.6	4.0	4.0
110-130		.6										.6	5.0	5.0
140-160	.6	.2										.8	3.5	3.0
(S) 170-190	.4	1.7	.6									2.7	6.8	6.0
200-220	8.3	5.4	1.0									14.8	4.8	4.0
230-250	1.0	2.5	.4									4.0	6.1	6.0
(W) 260-280	.6	.4										1.0	5.0	4.0
290-310	.2	.2										.4	4.0	4.0
320-340	.8	1.9		.2								2.9	5.9	5.0
VARIABLE														
CALM	////////////////////											48.2	////////	
TOTALS	20.0	25.6	4.9	1.0								100.0	3.0	5.0
TOTAL NUMBER OF OBSERVATIONS 481														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUN HOURS: 09-11

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		.9	2.2	1.3	.2							4.6	12.6	12.0
020-040	3.1	12.3	5.5	1.3								22.2	8.1	8.0
050-070	2.9	10.1	.4									13.4	6.2	7.0
(E) 080-100	1.5	.7	.2									2.4	4.7	4.0
110-130	2.4	3.1										5.5	5.0	6.0
140-160	1.3	3.5	.4									5.3	5.9	5.5
(S) 170-190	4.2	7.7	.9	.7								13.4	6.2	5.0
200-220	5.3	6.8	2.4	1.5								16.1	7.2	6.0
230-250	.7	1.5	1.1	.2								3.5	8.2	7.0
(W) 260-280	1.1	.4										1.5	4.0	4.0
290-310		.2										.2	8.0	8.0
320-340	.9	.4										1.3	4.5	3.5
VARIABLE	.7	.2										.9	4.5	4.0
CALM	////////////////////////////////////											9.5	////////////////////////////////	
TOTALS	24.1	47.8	13.1	5.0	.2							100.0	6.4	6.0
TOTAL NUMBER OF OBSERVATIONS 454														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONA ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUN HOURS: 12-14

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		.7	.9	.4	.7		.2						2.9	10.2	8.0
020-040		.7	8.1	6.4	.4	.2							15.9	9.3	9.0
050-070		2.6	13.2	2.2									18.1	6.8	7.0
(E) 080-100		.7	2.9	.2									3.7	6.2	7.0
110-130		.7	4.4	.9									5.9	6.6	6.0
140-160		1.8	8.1	.4									10.4	6.1	6.0
(S) 170-190		1.5	12.1	2.2	.2	.4							16.5	7.7	7.0
200-220		1.1	9.7	8.1	2.4		.2						21.6	9.9	9.5
230-250		.2	.9	.7	.9								2.6	11.8	10.5
(W) 260-280			.2										.2	5.0	5.0
290-310				.2									.2	10.0	10.0
320-340					.2								.2	16.0	16.0
VARIABLE		.4											.4	5.5	5.5
CALM		////////////////////////////////////											1.3	////////	
TOTALS		10.0	60.9	21.7	4.8	.6	.4						100.0	8.1	7.0

TOTAL NUMBER OF OBSERVATIONS 454

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010		.9	.4	.4								1.8	9.9	8.0
020-040	1.3	5.9	4.0	.4								11.6	8.6	8.0
050-070	4.0	6.4	.9									11.2	5.7	5.0
(E) 080-100	1.1	2.0	.4									3.5	5.8	5.0
110-130	2.0	1.8	.2									4.0	4.8	4.5
140-160	2.0	3.5	.2	.2								5.9	5.8	5.0
(S) 170-190	2.4	13.0	3.7	1.1	.2							20.4	7.9	7.0
200-220	2.6	14.1	10.8	3.7								31.2	9.3	8.0
230-250	.2	1.8	1.3	2.2	.2							5.7	12.7	12.0
(W) 260-280														
290-310	.2											.2	4.0	4.0
320-340	.2											.2	2.0	2.0
VARIABLE			.2									.2	11.0	11.0
CALM	////////////////////////////////////											4.0	////////	
TOTALS	16.0	49.4	22.1	8.0	.4							100.0	7.8	7.0

TOTAL NUMBER OF OBSERVATIONS 455

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONA ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUN HOURS: 18-20

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	.2	.4	.6									1.3	8.7	9.0
020-040	2.2	3.7	1.3									7.1	6.4	6.0
050-070	1.5	.9										2.4	3.8	3.0
(E) 080-100	.2	.4										.6	4.3	5.0
110-130	.9	.4										1.3	4.3	4.0
140-160	.6	.6										1.3	4.8	4.5
(S) 170-190	3.4	5.8	1.7	.4								11.4	6.9	7.0
200-220	8.4	26.1	7.5	.6								42.7	7.0	7.0
230-250	1.1	3.4	2.2	.9								7.5	8.6	8.0
(W) 260-280	.9	.6	.4									1.9	5.3	5.0
290-310		.2										.2	8.0	8.0
320-340	.2	.2										.4	4.5	4.5
VARIABLE														
CALM	////////////////////////////////////											21.8	////////////////////////////////	
TOTALS	19.6	42.7	13.7	1.9								100.0	5.4	6.0
TOTAL NUMBER OF OBSERVATIONS 464														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUN HOURS: 21-23

		WIND SPEED IN KNOTS														
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND	
(N) 350-010		.5	2.4										2.9	6.2	6.0	
020-040		3.2	1.9										5.1	4.6	4.0	
050-070		.5	.3										.8	4.7	4.0	
(E) 080-100		.3											.3	3.0	3.0	
110-130																
140-160		.3											.3	2.0	2.0	
(S) 170-190		.8	1.6	.3									2.7	6.7	6.5	
200-220		7.0	12.6	2.7									22.2	6.1	6.0	
230-250		2.4	5.9	1.3									9.6	6.4	6.0	
(W) 260-280		1.6	.8										2.4	3.6	3.0	
290-310		.8	.3										1.1	3.5	3.0	
320-340		1.9	.3										2.1	3.8	4.0	
VARIABLE																
CALM		////////////////////////////////////												50.5	////////////////////////////////	
TOTALS		19.3	26.1	4.3									100.0	2.8	5.0	

TOTAL NUMBER OF OBSERVATIONS 374

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	1.7	.9	.4	.0	.0						3.8	8.4	8.0
020-040	2.3	5.8	2.4	.3	.0							11.0	7.4	7.0
050-070	1.8	4.3	.5									6.6	6.0	6.0
(E) 080-100	.6	.8	.1									1.5	5.6	5.0
110-130	.9	1.4	.1									2.4	5.3	5.0
140-160	.9	2.1	.1	.0								3.2	5.7	6.0
(S) 170-190	1.8	5.6	1.4	.3	.1							9.1	7.3	7.0
200-220	5.5	11.1	4.6	1.2		.0						22.3	7.4	7.0
230-250	1.0	2.3	1.0	.5	.0							4.9	8.3	7.0
(W) 260-280	.6	.3	.1									1.0	4.4	4.0
290-310	.3	.2	.0									.5	4.6	4.0
320-340	.6	.5	.0	.1								1.2	5.3	5.0
VARIABLE	.1	.1	.0									.2	5.7	5.0
CALM	////////////////////////////////////											32.3	////////////////////////////////	
TOTALS	17.1	36.2	11.2	2.8	.1							100.0	4.8	6.0

TOTAL NUMBER OF OBSERVATIONS 3491

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR  
VISIBILITY GE 1/2 MILE (0800 METES) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010			2.1								2.1	10.0	10.0
020-040													
050-070													
(E) 080-100													
110-130													
140-160													
(S) 170-190	2.1		2.1		2.1						6.2	12.0	12.0
200-220	8.3	25.0	2.1								35.4	5.7	5.0
230-250		2.1									2.1	6.0	6.0
(W) 260-280													
290-310													
320-340													
VARIABLE													
CALM	////////////////////////////////////										54.2	////////////////////////////////	
TOTALS	10.4	27.1	6.3		2.1						100.0	3.1	6.0

TOTAL NUMBER OF OBSERVATIONS 48

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	3.7	.3									5.5	6.1	7.0
020-040	1.3	5.0	.5									6.8	5.8	5.5
050-070	1.3	.5										1.8	3.9	4.0
(E) 080-100														
110-130														
140-160														
(S) 170-190	.5	.8	.3									1.6	6.5	6.5
200-220	2.9	5.5	1.8	.3								10.5	6.5	5.0
230-250	1.0	1.0	.5									2.6	6.3	5.0
(W) 260-280	.3	.3	.3									.8	7.7	8.0
290-310	.3	.3										.5	4.5	4.5
320-340	.8	3.4	.3									4.5	5.4	6.0
VARIABLE														
CALM	////////////////////////////////////											65.4	////////	
TOTALS	10.0	20.5	4.0	.3								100.0	2.1	5.0
TOTAL NUMBER OF OBSERVATIONS 382														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	2.2	.6	.2								4.7	6.4	5.5
020-040	2.4	5.8	.2									8.4	5.6	5.0
050-070	.6											.	3.0	3.0
(E) 080-100														
110-130														
140-160														
(S) 170-190	.2	1.1										1.3	5.7	5.0
200-220	2.4	5.4	.9	.4								9.1	6.6	5.0
230-250	1.1	1.5	.4	.2								3.2	6.5	5.0
(W) 260-280	.6	.9										1.5	4.7	5.0
290-310	.6	.2										.9	4.0	3.5
320-340	.6	4.1	.4									5.2	6.3	6.0
VARIABLE														
CALM	////////////////////											65.1	////////	
TOTALS	10.2	21.2	2.5	.8								100.0	2.1	5.0
TOTAL NUMBER OF OBSERVATIONS 464														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: 06-08

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.1	4.5	1.4	.4								8.5	7.0	7.0
020-040	3.5	9.3	2.3	.2								15.3	6.6	6.0
050-070	.6	1.2										1.9	5.7	5.0
(E) 080-100	.2	.4										.6	5.3	7.0
110-130	.2											.2	4.0	4.0
140-160	.2											.2	4.0	4.0
(S) 170-190	1.4	.8										2.3	4.4	4.0
200-220	3.3	2.7	.8	.2								7.0	6.0	5.0
230-250	1.2	1.0	.4	.6								3.3	7.8	6.5
(W) 260-280	.6	.2										.8	4.0	4.0
290-310	1.7	1.2										2.9	4.4	4.0
320-340	2.1	3.7	1.0	.4								7.2	6.7	5.0
VARIABLE														
CALM	////////////////////////////////////											49.8	////////	
TOTALS	17.1	25.0	5.9	1.8								100.0	3.2	6.0
TOTAL NUMBER OF OBSERVATIONS 484														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONA ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	2.3	3.5	1.7	.4							8.9	11.3	12.0
020-040	4.3	15.3	9.3	1.9	.2							31.1	8.5	8.0
050-070	2.3	7.0	1.7									11.0	6.6	6.0
(E) 080-100	.6	.8	.4									1.9	6.0	5.0
110-130	.6	1.4										2.1	5.5	5.0
140-160	1.2	5.4	.4									7.0	5.4	5.0
(S) 170-190	2.1	6.8	.6									9.5	5.8	5.0
200-220	4.3	5.0	1.4	.6								11.4	6.1	5.0
230-250	.8	.4	.8	.2	.2							2.5	9.6	9.0
(W) 260-280		.2										.2	5.0	5.0
290-310	.2	.4	.4									1.0	8.6	8.0
320-340	.6	1.2	.6	.2								2.7	7.8	8.0
VARIABLE	.4											.4	4.0	4.0
CALM	////////////////////////////////////											10.4	////////////////////////////////	
TOTALS	18.4	46.2	19.1	4.6	.8							100.0	6.8	6.0

TOTAL NUMBER OF OBSERVATIONS 483

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.2		.8	1.3	.2							2.5	14.3	15.0
020-040	1.3	9.8	11.0	4.2	.4							26.7	10.6	10.0
050-070	3.1	9.0	5.0	1.3								18.3	8.0	8.0
(E) 080-100	.6	2.9										3.5	5.9	6.0
110-130	1.7	3.5	.6									5.8	5.9	6.0
140-160	.8	7.1	1.0									9.0	6.5	6.0
(S) 170-190	1.0	12.7	3.3	.4	.2							17.7	8.1	7.0
200-220	.6	4.2	4.6	1.0								10.4	9.7	10.0
230-250		.2	.8	.2	.4							1.7	15.3	13.5
(W) 260-280			.2									.2	12.0	12.0
290-310		.2	.2									.4	9.5	9.5
320-340	.2	.2	.4	.2								1.0	9.6	12.0
VARIABLE	.2	1.3										1.5	6.7	7.0
CALM	////////////////////////////////////											1.3	////////////////////////////////	
TOTALS	9.7	51.1	27.9	8.6	1.2							100.0	8.7	8.0

TOTAL NUMBER OF OBSERVATIONS 480



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010		.4	1.0	.6								2.1	12.0	12.5
020-040	2.3	9.7	5.1	2.7	.2	.2						20.2	9.2	8.0
050-070	1.4	9.9	.4	.2								11.9	6.6	7.0
(E) 080-100	1.0	2.3	.2									3.5	6.0	6.0
110-130	1.6	1.4										3.1	4.7	4.0
140-160	1.0	4.3	.4									5.8	6.2	6.0
(S) 170-190	2.1	13.2	5.1	1.0	.2							21.6	8.2	7.0
200-220	.2	11.3	7.4	2.7	.4							22.0	10.0	9.0
230-250		1.4	.4	1.4	.6							3.9	13.3	15.0
(W) 260-280	.2											.2	4.0	4.0
290-310		.2										.2	6.0	6.0
320-340	.2		.2		.2							.6	11.3	10.0
VARIABLE		.4										.4	6.5	6.5
CALM	////////////////////////////////////											4.5	////////	
TOTALS	10.0	54.5	20.2	8.6	1.6	.2						100.0	8.2	8.0

TOTAL NUMBER OF OBSERVATIONS 486

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2	.4	1.4									2.1	9.7	10.0
020-040	3.3	7.2	1.7	.2								12.4	6.5	6.0
050-070	2.1	3.3										5.4	5.0	5.0
(E) 080-100	1.0	.6										1.7	4.4	4.0
110-130	.2											.2	4.0	4.0
140-160	1.2											1.2	3.5	4.0
(S) 170-190	1.9	7.0	1.7	.8								11.4	7.4	7.0
200-220	4.1	26.9	7.4	.4								38.8	7.3	7.0
230-250	1.7	2.1	2.9	.2								6.8	8.2	8.0
(W) 260-280														
290-310	.2	.2										.4	6.5	6.5
320-340	.2	.6										.8	6.3	6.5
VARIABLE														
CALM	////////////////////											18.8	////////	
TOTALS	16.1	48.3	15.1	1.6								100.0	5.7	7.0
TOTAL NUMBER OF OBSERVATIONS 484														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED in KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	1.9	1.1									3.5	7.2	7.0
020-040	2.1	2.1										4.3	4.9	4.5
050-070	1.9	.5										2.4	3.7	3.0
(E) 080-100	.3											.3	3.0	3.0
110-130														
140-160														
(S) 170-190	1.6	1.6	.5									3.7	5.6	5.0
200-220	3.7	14.4	2.1									20.3	6.5	6.0
20-250	2.1	3.7	1.3									7.2	6.4	6.0
(W) 260-280	.3	1.1										1.3	5.2	5.0
290-310		.3										.3	5.0	5.0
320-340	1.3	1.1	.3	.3								2.9	6.1	5.0
VARIABLE														
CALM	////////////////////////////////////											53.9	////////////////////////////////	
TOTALS	13.8	26.7	5.3	.3								100.0	2.8	5.0

TOTAL NUMBER OF OBSERVATIONS 375

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9	1.9	1.3	.5	.1							4.7	8.9	8.0
020-040	2.6	8.3	4.0	1.2	.1	.0						16.2	8.2	7.0
050-070	1.7	4.2	.9	.2								7.0	6.7	6.0
(E) 080-100	.5	.9	.1									1.5	5.7	5.0
110-130	.6	.9	.1									1.5	5.5	5.0
140-160	.6	2.2	.2									3.1	5.9	6.0
(S) 170-190	1.4	5.8	1.5	.3	.1							9.0	7.4	7.0
200-220	2.7	9.4	3.4	.7	.1							16.3	7.6	7.0
230-250	1.0	1.4	1.0	.4	.2							3.8	8.7	7.0
(W) 260-280	.2	.3	.1									.6	5.4	5.0
290-310	.4	.4	.1									.9	5.6	5.0
320-340	.7	1.8	.4	.1	.0							3.1	6.8	6.0
VARIABLE	.1	.2										.3	6.2	6.0
CALM	////////////////////////////////////											32.0	////////////////////////////////	
TOTALS	13.4	37.7	13.1	3.4	.6							100.0	5.1	7.0

TOTAL NUMBER OF OBSERVATIONS 3638

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION   (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010													
020-040	2.7	8.2	6.8								17.8	7.9	7.0
050-070		2.7									2.7	7.5	7.5
(E) 080-100		1.4									1.4	6.0	6.0
110-130													
140-160		2.7									2.7	6.5	6.5
(S) 170-190	4.1	11.0									15.1	5.5	5.0
200-220		11.0	1.4	1.4							13.7	7.0	5.5
230-250			2.7		2.7						5.5	17.3	18.0
(W) 260-280													
290-310													
320-340	1.4		1.4								2.7	7.5	7.5
VARIABLE													
CALM	////////////////////////////////////										38.4	////////	
TOTALS	8.2	37.0	12.3	1.4	2.7						100.0	4.8	6.0

TOTAL NUMBER OF OBSERVATIONS 73

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONA ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG HOURS: 00-02

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	.8	4.3	1.1									6.2	6.8	7.0
020-040	3.2	6.2	.3	.3								9.9	5.7	6.0
050-070	.3											.3	4.0	4.0
(E) 080-100														
110-130														
140-160	.5											.5	2.5	2.5
(S) 170-190	1.6	1.3	.3									3.2	5.4	4.5
200-220	2.7	6.2	1.3	.3								10.5	6.5	6.0
230-250	1.9	2.7	.8									5.4	5.	5.5
(W) 260-280	1.1											1.1	3.8	4.0
290-310	.5	.3										.8	4.3	4.0
320-340	.5	3.5	.5	.5								5.1	7.3	6.0
VARIABLE														
CALM	////////////////////////////////////											57.0	////////////////////////////////	
TOTALS	13.1	24.5	4.3	1.1								100.0	2.6	5.5

TOTAL NUMBER OF OBSERVATIONS 372

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	4.1	.7									6.3	6.4	6.0
020-040	3.6	8.6		.2								12.4	5.7	6.0
050-070	.2											.2	3.0	3.0
(E) 080-100														
110-130														
140-160		.2										.2	9.0	9.0
(S) 170-190	.5	.5										.9	4.3	4.0
200-220	3.6	2.7	1.6									7.9	6.0	5.0
230-250	2.0	2.0										4.1	4.6	4.5
(W) 260-280	.2	.2										.5	4.5	4.5
290-310	.5	.7										1.1	5.0	5.0
320-340	2.0	1.8	.9	.7								5.4	7.4	5.0
VARIABLE		.2										.2	5.0	5.0
CALM	////////////////////////////////////											60.6	////////////////////////////////	
TOTALS	14.2	21.0	3.2	.9								100.0	2.3	5.0

TOTAL NUMBER OF OBSERVATIONS 442

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG HOURS: 06-08

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		1.6	6.0	.9									8.5	6.3	6.0
020-040		3.1	10.0	1.8	.2								15.1	6.5	6.0
050-070			.9										.9	5.5	5.0
(E) 080-100		.4											.4	4.0	4.0
110-130		.2											.2	4.0	4.0
140-160			.4										.4	6.5	6.5
(S) 170-190		1.3	.7	.2									2.2	5.0	4.0
200-220		3.3	2.9	.7									6.9	4.9	5.0
230-250		1.1	2.0	.2									3.3	5.9	6.0
(W) 260-280		.7		.2									.9	6.5	4.0
290-310		.9	.9										1.8	4.4	4.5
320-340		1.8	4.5	.9	.2								7.3	6.7	7.0
VARIABLE															
CALM		////////////////////////////////////										51.9	////////////////////////////////		
TOTALS		14.4	28.3	4.9	.4								100.0	2.9	6.0

TOTAL NUMBER OF OBSERVATIONS 449



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	4.5	2.7	1.1								8.8	9.3	9.0
020-040	2.9	17.2	10.2	2.3								32.7	8.8	8.0
050-070	1.8	5.7	.9									8.4	6.4	6.0
(E) 080-100	1.8	.7										2.5	4.4	4.0
110-130	1.6	.9										2.5	4.4	4.0
140-160	1.8	2.9										4.8	5.2	5.0
(S) 170-190	2.9	5.4	.9	.5								9.8	6.6	6.0
200-220	3.2	5.2	.7	.5	.2							9.8	6.7	6.0
230-250	1.1	.7	.9		.2							2.9	7.5	5.0
(W) 260-280		.5										.5	7.0	7.0
290-310	.9											.9	2.5	2.0
320-30	1.1	.2	1.4	.9								3.6	10.3	12.0
VARIABLE		.2										.2	5.0	5.0
CALM	////////////////////////////////////											12.7	////////////////////////////////	
TOTALS	19.6	44.1	17.7	5.3	.4							100.0	6.6	7.0

TOTAL NUMBER OF OBSERVATIONS 441

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010		1.1	2.2	.7	.4							4.5	12.3	11.0
020-040	.7	9.0	12.1	3.4								25.2	10.4	11.0
050-070	1.3	9.4	6.5	.4								17.8	8.3	8.0
(E) 080-100	.7	2.0	.2									2.9	6.2	7.0
110-130	.7	4.3										4.9	6.3	6.0
140-160	1.6	8.1	.2									9.9	6.0	6.0
(S) 170-190	.9	10.3	4.5	2.0	.4							18.2	9.0	8.0
200-220		6.1	4.7	.7								11.5	9.4	9.0
230-250	.2	.4	.4	.2	.9							2.2	13.9	14.0
(W) 260-280		.2	.2									.4	11.5	11.5
290-310		.2										.2	6.0	6.0
320-340	.2	.4	.4									1.1	8.4	7.0
VARIABLE		.4	.2									.7	7.3	6.0
CALM	////////////////////////////////////											.4	////////////////////////////////	
TOTALS	6.3	51.9	31.6	7.4	1.7							100.0	9.0	8.0

TOTAL NUMBER OF OBSERVATIONS 445

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010		1.1	1.3	1.1	.2							3.8	12.4	11.0
020-040	2.9	9.8	7.1	.4								20.3	8.4	8.0
050-070	1.3	6.5	3.1									10.9	7.9	8.0
(E) 080-100	1.8	2.7	.2									4.7	5.2	5.0
110-130	1.1	1.6										2.7	4.8	5.0
140-160	.9	6.2	.4									7.6	5.8	6.0
(S) 170-190	.7	13.1	6.5	2.9	.4							23.6	9.3	8.0
200-220	.9	6.0	6.9	2.7								16.5	10.2	10.0
230-250	.2	.4	1.1	1.8	.7							4.2	14.7	15.0
(W) 260-280		.2	.2	.2								.7	11.7	14.0
290-310														
320-340	.2	.9	.4									1.6	7.1	7.0
VARIABLE		.2										.2	5.0	5.0
CALM	////////////////////////////////////											3.3	////////	
TOTALS	10.0	48.7	27.2	9.1	1.3							100.0	8.5	8.0

TOTAL NUMBER OF OBSERVATIONS 449

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.7	1.4	.5	.7								3.2	8.4	6.5
020-040	4.2	10.0	1.2									15.3	5.7	6.0
050-070	.9	2.8										3.7	5.0	5.0
(E) 080-100	.2	.7										.9	5.5	5.0
110-130	.9	.2										1.2	4.0	3.0
140-160	.7	.7	.2									1.6	5.3	5.0
(S) 170-190	3.7	9.0	4.4	.2								17.4	7.4	7.0
200-220	3.2	16.9	8.6	.2								28.9	7.9	7.0
230-250	.9	3.7	.9	.2								5.8	7.1	6.0
(W) 260-280	.5	.2	.2									.9	6.0	6.0
290-310		.5	.2									.7	9.3	9.0
320-340	.5	.9	.5									1.9	7.3	6.5
VARIABLE														
CALM	////////////////////////////////////											18.5	////////////////////////////////	
TOTALS	16.4	47.0	16.7	1.3								100.0	5.7	7.0

TOTAL NUMBER OF OBSERVATIONS 432

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				
(N) 350-010	1.4	2.5	.8									4.6	6.4	6.0
020-040	3.5	6.8	.8									11.2	5.4	5.0
050-070	.8	.8										1.6	4.3	4.5
(E) 080-100														
110-130														
140-160	.3											.3	4.0	4.0
(S) 170-190	.5	3.3	1.1									4.9	6.9	6.0
200-220	6.0	12.0	2.5	.3								20.7	6.3	6.0
230-250	2.2	3.3	.3	.3								6.0	5.3	5.0
(W) 260-280	.8	.5										1.4	5.2	4.0
290-310		.3										.3	5.0	5.0
320-340	.5	1.4	.5	.3								2.7	8.2	7.5
VARIABLE														
CALM	////////////////////////////////////											46.3	////////////////////////////////	
TOTALS	16.0	30.9	6.0	.9								100.0	3.2	6.0

TOTAL NUMBER OF OBSERVATIONS 367

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	3.1	1.3	.5	.1							5.8	8.3	7.0
020-040	3.0	9.8	4.4	.9								18.1	7.7	7.0
050-070	.9	3.4	1.4	.1								5.7	7.3	7.0
(E) 080-100	.6	.8	.1									1.5	5.3	5.0
110-130	.6	.9										1.5	5.3	5.0
140-160	.7	2.4	.1									3.3	5.7	6.0
(S) 170-190	1.5	5.6	2.3	.7	.1							10.3	8.0	7.0
200-220	2.8	7.1	3.4	.6	.0							14.0	7.6	7.0
230-250	1.2	1.9	.6	.3	.2							4.2	7.7	6.0
(W) 260-280	.4	.2	.1	.0								.8	6.6	4.5
290-310	.4	.4	.0									.7	4.9	5.0
320-340	.9	1.7	.7	.3								3.6	7.7	5.0
VARIABLE		.1	.0									.2	6.2	5.5
CALM	////////////////////////////////////											30.5	////////	
TOTALS	13.8	37.4	14.4	3.4	.4							100.0	5.2	7.0

TOTAL NUMBER OF OBSERVATIONS 3397

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	2.0	2.0	3.9									7.8	7.5	8.0
020-040			2.0									2.0	10.0	10.0
050-070		2.0	2.0									3.9	8.5	8.5
(E) 080-100														
110-130	3.9											3.9	3.5	3.5
140-160														
(S) 170-190	2.0	9.8	7.8	2.0	2.0							23.5	10.3	9.0
200-220	3.9	9.8	13.7									27.5	8.4	9.5
230-250	2.0											2.0	3.0	3.0
(W) 260-280														
290-310														
320-340			2.0	3.9								5.9	14.7	15.0
VARIABLE														
CALM	////////////////////////////////////											23.5	////////////////////////////////	
TOTALS	13.8	23.6	31.4	5.9	2.0							100.0	6.9	10.0

TOTAL NUMBER OF OBSERVATIONS 51

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	4.6	2.3	.3								8.3	8.1	7.0
020-040	3.1	5.1	1.7									10.0	6.5	6.0
050-070	.6	.6										1.1	4.0	4.5
(E) 080-100		.3										.3	5.0	5.0
110-130			.3									.3	12.0	12.0
140-160			.3									.3	12.0	12.0
(S) 170-190	.3	1.7	.6									2.6	7.7	8.0
200-220	2.3	6.6	3.1									12.0	6.9	6.0
230-250	1.1	1.4										2.6	5.6	5.0
(W) 260-280	.3	1.1	.3									1.7	6.7	6.5
290-310	.3			.3								.6	10.5	10.5
320-340	.6	2.0		.6								3.1	7.1	6.0
VARIABLE														
CALM	////////////////////////////////////											57.3	////////////////////////////////	
TOTALS	9.7	23.4	8.6	1.2								100.0	3.0	6.0

TOTAL NUMBER OF OBSERVATIONS 351



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.2	6.4	2.1									9.8	7.2	6.0
020-040	3.6	6.0	1.4	.2								11.2	6.3	6.0
050-070	.7			.2								1.0	6.8	4.0
(E) 080-100														
110-130		.2										.2	7.0	7.0
140-160	.2											.2	4.0	4.0
(S) 170-190	.5	1.2	1.2	.2								3.1	9.5	9.0
200-220	1.2	6.0	.2									7.4	6.1	6.0
230-250	1.4	1.2	.5									3.1	5.8	6.0
(W) 260-280		.2										.2	5.0	5.0
290-310	.7	.5										1.2	4.2	4.0
320-340	.2	4.3	1.2		.2							6.0	7.6	7.0
VARIABLE														
CALM	////////////////////////////////////											56.6	////////////////////////////////	
TOTALS	9.7	26.0	6.6	.6	.2							100.0	2.9	6.0

TOTAL NUMBER OF OBSERVATIONS 419

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.1	6.2	2.4	.7								11.4	7.7	7.0
020-040	3.6	7.1	1.4	.2								12.3	5.9	5.0
050-070	.2	.5		.2								.9	7.8	5.5
(E) 080-100														
110-130	.2											.2	3.0	3.0
140-160	.5			.2								.7	8.3	4.0
(S) 170-190	2.4	1.2	.5	.2								4.3	6.1	4.0
200-220	2.6	2.6	1.2									6.4	6.1	6.0
230-250	.9	2.4	.5									3.8	6.6	6.0
(W) 260-280	.7											.7	3.0	3.0
290-310	.5											.5	3.0	3.0
320-340	1.9	4.7	.9									7.6	6.3	6.0
VARIABLE														
CALM	////////////////////////////////////											51.2	////////////////////////////////	
TOTALS	15.6	24.7	6.9	1.5								100.0	3.2	6.0

TOTAL NUMBER OF OBSERVATIONS 422

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	7.2	4.4	1.6	.2							14.2	9.8	8.0
020-040	5.3	16.7	6.3	1.4								29.7	7.5	7.0
050-070	3.7	4.6	.5									8.8	5.3	5.0
(E) 080-100	.5	.2			.2		.2					1.2	12.4	5.0
110-130	.2	.2	.2									.7	5.7	5.0
140-160	1.6	.5										2.1	3.9	4.0
(S) 170-190	2.6	4.9	.7	.7								8.8	6.7	6.0
200-220	1.9	5.3	2.1	.2								9.5	7.3	6.0
230-250	.2	1.4	.7	.7		.2	.2					3.5	12.6	10.0
(W) 260-280		.7										.7	6.0	6.0
290-310	.2											.2	2.0	2.0
320-340	.9	.7	.9		.5	.2						3.2	10.7	10.0
VARIABLE														
CALM	////////////////////////////////////											17.4	////////////////////////////////	
TOTALS	17.8	42.4	15.8	4.6	.9	.4	.4					100.0	6.5	7.0

TOTAL NUMBER OF OBSERVATIONS 431

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.2	.9	1.6	1.6	.2							4.6	13.1	14.0
020-040	1.9	10.9	9.5	2.8								25.1	9.7	9.0
050-070	2.8	12.5	2.8	.2								18.3	6.9	7.0
(E) 080-100	.9	2.3	.2	.2								3.7	6.8	6.0
110-130	1.2	3.0										4.2	5.6	5.5
140-160	2.8	7.9										10.7	5.5	6.0
(S) 170-190	1.9	10.7	3.2	1.4	.2							17.4	8.3	8.0
200-220	1.2	4.9	3.0	1.2								10.2	9.0	8.0
230-250	.2	.9	.2	.9	.7							3.0	13.8	15.0
(W) 260-280	.2											.2	3.0	3.0
290-310														
320-340	.2	.2		.5	.2							1.2	12.8	18.0
VARIABLE														
CALM	////////////////////////////////////											1.4	////////////////////////////////	
TOTALS	13.5	54.2	20.5	8.8	1.3							100.0	8.3	7.0

TOTAL NUMBER OF OBSERVATIONS 431

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	1.2	.7	1.2								3.8	10.8	10.5
020-040	4.0	11.3	7.5	2.1	.2							25.2	8.7	8.0
050-070	2.8	9.2	.7									12.7	6.2	6.0
(E) 080-100	.9	2.8			.2							4.0	6.5	5.0
110-130	.9	2.6	.2									3.8	5.8	5.5
140-160	1.6	2.4	.2									4.2	5.2	5.0
(S) 170-190	.9	15.5	5.2	1.6	.2							23.5	8.7	8.0
200-220	.5	6.6	4.7	2.1								13.9	9.9	9.0
230-250		.7	1.6	.7								3.1	12.1	12.0
(W) 260-280		.2										.2	8.0	8.0
290-310	.2	.5										.7	4.7	5.0
320-340	.2	.2	.5	.5								1.4	11.5	12.0
VARIABLE														
CALM	////////////////////////////////////											3.5	////////////////////////////////	
TOTALS	12.7	53.2	21.3	8.2	.6							100.0	8.1	7.0

TOTAL NUMBER OF OBSERVATIONS 425

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONA ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: 18-20

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	.2	1.7	.7	.7	.2							3.6	10.3	8.0
020-040	5.5	7.2	2.6	.2								15.5	6.5	6.0
050-070	1.9	.5										2.4	3.8	4.0
(E) 080-100	.2											.2	3.0	3.0
110-130	.5	1.2	.2									1.9	5.4	5.0
140-160	2.4	1.4										3.8	4.2	4.0
(S) 170-190	4.1	6.0	3.3									13.4	6.6	6.0
200-220	3.6	13.8	3.1	.5	.2							21.2	7.0	7.0
230-250	.5	2.1	2.1									4.8	8.8	9.0
(W) 260-280	.7	1.2	.2									2.1	5.9	5.0
290-310	.2	.5										.7	5.7	6.0
320-340		.7	.5									1.2	8.6	8.0
VARIABLE														
CALM	////////////////////////////////////											29.1	////////////////////////////////	
TOTALS	19.8	36.3	12.7	1.4	.4							100.0	4.8	6.0

TOTAL NUMBER OF OBSERVATIONS 419

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3	1.7	2.2	.6								4.8	10.4	10.0
020-040	2.2	3.9	1.4	.3								7.8	6.6	6.0
050-070	.3	1.1										1.4	.8	5.0
(E) 080-100	.3											.3	4.0	4.0
110-130		.3										.3	8.0	8.0
140-160		.8	.3									1.1	8.0	7.5
(S) 170-190	3.1	3.4	.6									7.0	5.2	5.0
200-220	4.8	11.2	2.0		.3							18.2	6.4	6.0
230-250	.8	2.8	.6									4.2	6.5	7.0
(W) 260-280	.3	.3										.6	6.0	6.0
290-310		.3										.3	6.0	6.0
320-340	.3	1.1	.6	.6	.7							2.8	10.2	9.0
VARIABLE														
CALM	////////////////////////////////////											51.3	////////////////////////////////	
TOTALS	12.4	26.9	7.7	1.5	.6							100.0	3.4	6.0

TOTAL NUMBER OF OBSERVATIONS 357

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: ALL

WIND SPEED IN KNOTS															
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN	
(DEGREES)												%	WIND	WIND	
(N) 350-010	.8	3.7	2.1	.9	.1							7.6	9.1	8.0	
020-040	3.7	8.7	4.1	1.0	.0							17.5	7.7	7.0	
050-070	1.7	3.8	.5	.1							6.1	6.2	6.0		
(E) 080-100	.4	.7	.0	.0	.1				.0			1.3	7.1	5.0	
110-130	.4	1.0	.1							1.5	5.8	5.0			
140-160	1.2	1.7	.1	.0							3.0	5.3	5.0		
(S) 170-190	2.0	5.7	2.0	.6	.1							10.3	7.6	7.0	
200-220	2.2	7.0	2.4	.5	.1							12.2	7.4	7.0	
230-250	.6	1.6	.8	.3	.1	.0	.0					3.5	9.0	8.0	
(W) 260-280	.3	.5	.1							.8	5.7	5.0			
290-310	.3	.2				.0							.5	5.1	4.0
320-340	.6	1.8	.6	.2	.2	.0							3.3	8.3	6.0
VARIABLE															
CALM	////////////////////////////////////											32.4	////////////////////////////////		
TOTALS	14.2	36.4	12.8	3.6	.7							100.0	5.1	7.0	

TOTAL NUMBER OF OBSERVATIONS 3255



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010		4.5	6.8									11.4	9.3	10.0
020-040	1.1	2.3										3.4	6.0	6.0
050-070	1.1	2.3										3.4	5.3	7.0
(E) 080-100														
110-130														
140-160		1.1										1.1	7.0	7.0
(S) 170-190	4.5	11.4	6.8	1.1								23.9	8.2	8.0
200-220	4.5	6.8	2.3	1.1								14.8	6.9	7.0
230-250														
(W) 260-280														
290-310	1.1											1.1	3.0	3.0
320-340			1.1									1.1	10.0	10.0
VARIABLE														
CALM	////////////////////////////////////											39.8	////////////////////////////////	
TOTALS	12.3	28.4	17.0	2.2								100.0	4.6	7.0

TOTAL NUMBER OF OBSERVATIONS 88

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT HOURS: 00-02

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		.3	4.1	3.9	.8								9.0	9.2	10.0
020-040		2.3	5.1	1.5	.3								9.3	6.9	6.0
050-070		.5	.3	.3	.3								1.3	7.6	6.0
(E) 080-100															
110-130															
140-160			.8		.3								1.0	9.8	8.5
(S) 170-190		.5	3.3	1.3	.8								5.9	8.7	8.0
200-220		2.3	8.2	1.5	1.0								13.1	7.5	6.0
230-250		1.5	3.6	1.0	.3								6.4	7.0	6.0
(W) 260-280		.5	1.0										1.5	5.8	5.5
290-310		.3	.3										.5	4.5	4.5
320-340		.3	3.3	.5	.5								4.6	8.1	7.0
VARIABLE															
CALM		////////////////////////////////////										47.3	////////////////////////////////		
TOTALS		8.5	30.0	10.0	4.3								100.0	4.1	7.0
TOTAL NUMBER OF OBSERVATIONS 389															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND		
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65	
(N) 350-010	1.1	5.6	1.7	2.2	.2							10.8	9.1	8.0	
020-040	1.5	6.9	1.7	.2								10.3	6.9	6.0	
050-070	.2	.4										.6	4.7	5.0	
(E) 080-100															
110-130		.2	.2									.4	8.5	8.5	
140-160		.2		.2								.4	10.5	10.5	
(S) 170-190	.6	2.8	.6	.6								4.7	8.5	7.0	
200-220	3.7	8.2	2.2	.9								14.8	7.0	6.0	
230-250	.4	4.3	1.5									6.2	7.4	7.0	
(W) 260-280	1.1	.9										1.9	4.6	4.0	
290-310		.2										.2	7.0	7.0	
320-340	.4	2.4	.6	.4								3.9	8.1	6.5	
VARIABLE															
CALM	////////////////////////////////////												45.6	////////////////////////////////	
TOTALS	9.0	32.1	8.5	4.5	.2							100.0	4.1	7.0	

TOTAL NUMBER OF OBSERVATIONS 465

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT HOURS: 06-08

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.3	5.9	1.7	1.9	.4							11.1	9.1	7.0
020-040	1.7	7.5	1.5	.2	.4	.2						11.5	7.4	6.0
050-070	.4	.8										1.3	5.5	6.0
(E) 080-100														
110-130	.2											.2	4.0	4.0
140-160	.2	.6	.2									1.0	7.2	6.0
(S) 170-190	1.0	2.7	.8	.4								5.0	7.1	6.5
200-220	2.3	7.3	2.5	1.0								13.2	7.8	7.0
230-250	1.5	2.9	.4	.2								5.0	6.2	6.0
(W) 260-280	.8	1.0	.2									2.1	6.2	6.0
290-310	.4	.2	.2									.8	6.0	4.5
320-340	1.5	2.3	.8	.6								5.2	7.8	7.0
VARIABLE														
CALM	////////////////////////////////////											43.5	////////////////////////////////	
TOTALS	11.3	31.2	8.3	4.3	.8	.2						100.0	4.3	6.0
TOTAL NUMBER OF OBSERVATIONS 478														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	3.8	4.7	4.7	1.5	.8	.2					16.8	13.4	14.0
020-040	2.8	8.3	5.3	.8								17.2	8.3	8.0
050-070	1.3	1.5	.4	.2								3.4	6.8	7.0
(E) 080-100	.8	.2										1.1	4.6	4.0
110-130	.4	.4										.8	4.5	4.5
140-160	.2	1.9	.2									2.3	6.5	6.0
(S) 170-190	3.0	4.9	2.5	.2	.4							11.0	7.9	7.0
200-220	2.1	8.9	4.9	1.5	.2							17.6	8.7	8.0
230-250	1.1	3.2	1.9									6.2	8.0	8.0
(W) 260-280	.6	.2										.8	4.0	4.0
290-310	.4	.2										.6	3.3	2.0
320-340	1.1	1.7	.6	.4	.2							4.0	8.0	6.0
VARIABLE		.2										.2	5.0	5.0
CALM	////////////////////////////////////											17.8	////////////////////////////////	
TOTALS	14.9	35.4	20.5	7.8	2.3	.8	.2					100.0	7.4	8.0

TOTAL NUMBER OF OBSERVATIONS 471

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT HOURS: 12-14

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	.4	3.0	2.8	4.1	1.5	.2						12.1	13.5	14.0
020-040	1.9	11.3	6.5	1.1	.2							21.0	8.6	8.0
050-070	1.1	4.3	.9									6.3	6.9	7.0
(E) 080-100	.6	2.8	.2	.4								4.1	7.3	6.0
110-130	1.3	1.1										2.4	4.5	4.0
140-160	1.1	2.6	1.3	.4								5.4	7.6	7.0
(S) 170-190	.6	7.4	3.5	2.8	.2							14.5	9.9	9.0
200-220	.9	11.5	5.4	2.8	.6							21.2	10.0	8.5
230-250	.4	2.4	2.6	.6	.2							6.3	10.3	11.0
(W) 260-280		.4										.4	8.0	8.0
290-310	.2											.2	4.0	4.0
320-340		.6	.2	1.1								1.9	12.8	15.0
VARIABLE														
CALM	////////////////////////////////////											4.1	////////////////////////////////	
TOTALS	8.5	47.4	23.4	13.3	2.7	.2						100.0	9.2	8.0

TOTAL NUMBER OF OBSERVATIONS 462

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.2	3.0	3.2	2.1	.4							9.0	11.8	12.0
020-040	3.6	10.9	5.4	1.3		.2						21.5	8.1	7.0
050-070	2.4	5.2										7.5	5.1	5.0
(E) 080-100	.9	.9	.4	.2								2.4	7.5	5.0
110-130	.9	1.3	.4	.4								3.0	7.1	5.5
140-160	1.7	1.3	.2									3.2	5.4	4.0
(S) 170-190	1.3	12.0	3.0	.6	.2							17.2	8.3	8.0
200-220	1.1	10.7	4.5	2.1	.6							19.1	9.4	8.0
230-250	.2	4.1	2.1	1.3								7.7	9.9	9.0
(W) 260-280	.2	.6	.2			.2						1.3	10.3	6.5
290-310		.4										.4	8.0	8.0
320-340	.2	.9	.2	.4	.2							1.9	11.8	9.0
VARIABLE														
CALM	////////////////////////////////////											5.8	////////	
TOTALS	12.7	51.3	19.6	8.4	1.4	.4						100.0	8.1	8.0

TOTAL NUMBER OF OBSERVATIONS 466

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT HOURS: 18-20

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		.2	4.0	2.8	2.1	.2							9.3	10.6	10.0
020-040		4.0	5.7	1.1									10.8	5.8	5.0
050-070		.2	.6	.6									1.5	8.4	5.0
(E) 080-100			.6	.2									.8	7.5	6.0
110-130		.4	.2										.6	3.7	3.0
140-160			1.3	.4		.2							1.9	9.8	7.0
(S) 170-190		2.3	6.4	2.1	1.1								11.9	7.4	6.0
200-220		3.0	11.0	3.6	.2								17.8	6.9	6.0
230-250		1.3	5.9	1.7	.6								9.6	7.6	7.0
(W) 260-280		1.5	1.1										2.5	4.4	4.0
290-310			.2										.2	5.0	5.0
320-340		.4	1.7	.4									2.5	6.9	7.0
VARIABLE															
CALM		////////////////////////////////////										30.4	////////////////////////////////		
TOTALS		13.3	38.7	12.9	4.0	.4							100.0	5.2	6.0

TOTAL NUMBER OF OBSERVATIONS 471



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	4.1	3.1	1.5	.5							10.1	10.2	10.0
020-040	2.1	5.4	.5		.3							8.2	6.3	6.0
050-070	.3	.5	.3									1.0	7.3	6.0
(E) 080-100			.3									.3	10.0	10.0
110-130														
140-160	.5	1.0	.3	.3								2.1	7.4	6.0
(S) 170-190	1.0	5.9	1.5	.5								9.0	7.5	7.0
200-220	2.8	8.5	2.3									13.7	6.6	6.0
230-250	1.5	5.4	1.0									8.0	6.9	7.0
(W) 260-280	.8	1.3										2.1	4.9	5.0
290-310	.5											.8	3.7	3.0
320-340	.5	2.3	.3	.3								3.1	7.7	7.5
VARIABLE														
CAL"	////////////////////////////////////											41.8	////////////////////////////////	
TOTALS	10.6	34.7	9.6	2.6	.8							100.0	4.3	7.0

TOTAL NUMBER OF OBSERVATIONS 388

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	4.2	3.0	2.5	.6	.1	.0					11.1	11.1	10.0
020-040	2.5	7.7	3.0	.5	.1	.1						13.9	7.6	7.0
050-070	.8	1.8	.3	.1								2.9	6.3	6.0
(E) 080-100	.3	.6	.1	.1								1.1	7.1	6.0
110-130	.4	.4	.1	.1								1.0	5.7	5.0
140-160	.5	1.2	.3	.1	.0							2.2	7.4	7.0
(S) 170-190	1.3	5.7	1.9	.9	.1							10.0	8.3	7.0
200-220	2.3	9.3	3.4	1.2	.2							16.4	8.2	7.0
230-250	1.0	4.0	1.6	.4	.0							6.9	8.0	7.0
(W) 260-280	.7	.8	.1			.0						1.6	5.7	5.0
290-310	.2	.2	.0									.5	5.1	5.0
320-340	.5	1.9	.5	.5	.1							3.4	8.5	7.0
VARIABLE		.0										.0	5.0	5.0
CALM	////////////////////											28.9	////////	
TOTALS	11.2	37.8	14.3	6.4	1.1	.2						100.0	5.9	7.0

TOTAL NUMBER OF OBSERVATIONS 3590

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	.8	2.5	3.3	1.7	1.2	.4						10.0	12.3	11.5
020-040		3.7	1.2	1.2	1.2	.4						7.9	12.5	12.0
050-070		5.0	1.7	.4						7.1	8.4	7.0		
(E) 080-100		.4	2.1	1.2						3.7	13.4	14.0		
110-130		.4		.4						.8	11.0	11.0		
140-160	.4	2.9	1.2	.8	.4						5.8	10.4	8.0	
(S) 170-190	1.7	9.5	7.9	3.3						22.4	10.0	9.5		
200-220	2.9	10.0	5.8	3.3						22.0	8.9	8.0		
230-250		1.2						1.2	7.7	8.0				
(W) 260-280														
290-310	.4	.4						.8	4.5	4.5				
320-340		1.2	.8	.4						2.5	10.3	10.0		
VARIABLE														
CALM	////////////////////////////////////											15.8	////////////////////////////////	
TOTALS	6.2	37.2	24.0	12.7	2.8	.8						100.0	8.6	9.0

TOTAL NUMBER OF OBSERVATIONS 241

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	2.2	5.9	3.9	.3								12.4	8.0
020-040	3.9	3.7	.6									8.1	4.8
050-070	1.1	2.2										3.4	5.2
(E) 080-100			.6									.6	10.5
110-130		.3										.3	5.0
140-160		.3		.6	.3							1.1	14.8
(S) 170-190	.6	1.1	1.7	.8	.3							4.5	11.0
200-220	1.1	4.5	4.2			.3						10.1	8.4
230-250	.8	2.2	.3									3.4	6.3
(W) 260-280	2.2	.8	1.1	.6	.3							5.1	8.1
290-310	.8	1.7	.8	.3								3.7	7.5
320-340	1.4	4.5	2.5	2.0								10.4	9.0
VARIABLE													
CALM	////////////////////////////////////										37.1	////////////////////////////////	
TOTALS	14.1	27.2	15.7	4.6	.9	.3						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 356

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	7.5	2.5	.9								12.8	7.7	6.5
020-040	2.7	3.9	.2									6.8	4.8	5.0
050-070	.7	2.3										3.0	5.4	5.0
(E) 080-100		.9	.5									1.4	7.3	6.0
110-130		.2										.2	9.0	9.0
140-160		.5		.2								.7	10.0	9.0
(S) 170-190	.7	1.4	1.8	.5	.5							4.8	10.8	12.0
200-220	1.1	4.6	3.2	.2		.2						9.4	8.5	8.0
230-250	.7	1.8	.5									3.0	6.4	6.0
(W) 260-280	2.1	1.6	.9	1.1								5.7	8.4	8.0
290-310	.2	.9	.7									1.8	8.1	5.0
320-340	1.1	4.6	3.4	.9	.5							10.5	9.3	8.5
VARIABLE														
CALM	////////////////////											40.0	////////	
TOTALS	11.1	30.2	13.7	3.8	1.0	.2						100.0	4.8	6.0
TOTAL NUMBER OF OBSERVATIONS 438														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV HOURS: 06-08

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		1.1	9.0	2.5	.9								13.5	7.9	7.0
020-040		2.7	3.8	.2	.2								7.0	5.5	5.0
050-070		1.3	1.3	.2									2.9	5.7	5.0
(E) 080-100		.4		.2			.2						.9	11.5	9.0
110-130															
140-160		.2	.2	.2									.7	7.0	5.0
(S) 170-190		.7	2.0	1.3	.9	.2							5.2	10.3	8.0
200-220		2.7	4.3	2.2	1.1								10.3	7.8	7.0
230-250		1.3	1.8	.2	.2	.2							3.8	6.9	5.0
(W) 260-280		2.0	2.7	.7	.7								6.1	6.9	6.0
290-310		.2	1.3	1.3									2.9	8.8	9.0
320-340		.9	5.2	2.7	.4	.4							9.6	9.0	7.0
VARIABLE															
CALM		////////////////////////////////////										37.2	////////////////////////////////		
TOTALS		13.5	31.6	11.7	4.4	.8	.2						100.0	4.9	6.0
TOTAL NUMBER OF OBSERVATIONS 446															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV HOURS: 09-11

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		1.2	8.0	3.5	1.9	.2	.2						15.1	9.7	9.0
020-040		4.7	7.3	2.1									14.1	6.3	5.5
050-070		1.2	1.6	.7	.2								3.8	7.0	5.5
(E) 080-100		.7			.2								.9	7.0	4.0
110-130			.2										.2	6.0	6.0
140-160		.5	.7		.2		.2						1.6	9.7	6.0
(S) 170-190		.7	3.8	1.4	.9								6.8	8.8	8.0
200-220		1.9	4.2	2.4	1.4	.2							10.1	9.0	7.0
230-250		.9	2.6	1.2	.7								5.4	8.4	8.0
(W) 260-280		.9	2.6	1.9	1.4								6.8	9.6	9.0
290-310		.5	.9	1.4	.7								3.5	10.5	12.0
320-340		.7	2.1	3.3	3.1	.5							9.6	11.8	12.0
VARIABLE															
CALM		////////////////////////////////////										21.9	////////////////////////////////		
TOTALS		13.9	34.0	17.9	10.7	.9	.4						100.0	7.0	8.0

TOTAL NUMBER OF OBSERVATIONS 425

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010		4.2	5.1	2.3	.5							12.1	11.1	11.0
020-040	6.1	8.6	5.1		.2							20.0	7.0	6.0
050-070	1.4	3.0	1.4									5.8	7.2	7.0
(E) 080-100	.2	.2	.5									.9	7.0	7.5
110-130	.5	1.2		.2								1.9	6.8	5.0
140-160	.2	.9	.7	.5								2.3	9.7	9.0
(S) 170-190	.9	3.3	1.9	1.4	.7							8.2	10.3	8.0
200-220	1.4	5.1	4.2	1.2	.5	.2						12.6	10.4	9.0
230-250	.7	1.6	1.2	1.2								4.7	10.3	9.5
(W) 260-280	.5	3.3	1.9	2.1	.5							8.2	11.4	12.0
290-310		.7	1.4	1.2	.7							4.0	14.2	14.0
320-340	.5	1.2	3.0	3.7	.5	.2						9.1	13.7	14.0
VARIABLE														
CALM	////////////////////											10.3	////////	
TOTALS	12.4	33.3	26.4	13.8	3.6	.4						100.0	8.9	9.0

TOTAL NUMBER OF OBSERVATIONS 429



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9	3.0	6.4	.5	.5	.2						11.4	10.7	11.0
020-040	6.2	11.9	3.0									21.1	6.1	6.0
050-070	3.2	2.5	.7									6.4	5.2	4.5
(E) 080-100	.5	.2										.7	4.7	3.0
110-130		.7										.7	5.0	5.0
140-160	.9	2.1	.2	.2	.2							3.7	7.6	6.5
(S) 170-190	1.4	5.5	2.1	.5	.2							9.6	8.3	7.0
200-220	1.6	7.1	2.7	1.1	.7	.2						13.5	9.2	8.0
230-250	.9	2.1	2.3	.7								5.9	9.4	9.5
(W) 260-280	.5	1.8	1.4	2.1								5.7	11.5	11.0
290-310		1.1	.9	.7								2.7	10.8	11.0
320-340	1.4	1.4	2.3	2.5	1.6							9.2	12.7	13.5
VARIABLE	.2											.2	4.0	4.0
CALM	////////////////////											9.2	////////////////	
TOTALS	17.7	39.4	22.0	8.3	3.2	.						100.0	7.9	7.0

TOTAL NUMBER OF OBSERVATIONS 437

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.0	3.5	3.7	.4								9.7	8.4	9.0
020-040	2.2	6.6	.4	.4								9.7	5.8	5.0
050-070	1.1	1.8	.7									3.5	6.3	5.0
(E) 080-100	.2	.2										.4	4.5	4.5
110-130	.2											.2	3.0	3.0
140-160	.2	2.2	.2	.2	.4							3.3	9.4	8.0
(S) 170-190	.7	4.4	2.6	.4	.2							8.4	8.8	7.5
200-220	1.8	6.8	1.5		.2							10.3	7.0	7.0
230-250	1.3	1.5	.7	.4	.4							4.4	8.8	7.5
(W) 260-280	.7	4.0	.7	.7	.4							6.4	8.8	7.0
290-310	1.3	1.8	.9									4.0	6.6	6.0
320-340	.9	3.7	2.2	.7	1.3							8.8	10.5	8.5
VARIABLE														
CALM	////////////////////											31.0	////////	
TOTALS	12.6	36.5	13.6	3.2	2.9							100.0	5.5	7.0

TOTAL NUMBER OF OBSERVATIONS 455

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.5	3.3	3.0	1.1								9.9	9.1	8.5
020-040	3.6	3.6	1.1		.3							8.5	6.5	5.0
050-070	.8	1.1	.5									2.5	6.4	6.0
(E) 080-100		.3	.3									.5	10.0	10.0
110-130			.3									.3	12.0	12.0
140-160	.3	.8			.5							1.6	11.5	8.0
(S) 170-190	1.4	1.9	1.9	.8		.3						6.3	9.3	9.0
200-220	1.6	5.5	2.5	.3	.3							10.1	7.7	6.0
230-250	.8	2.7	.5		.3							4.4	7.6	7.0
(W) 260-280	.8	3.6	.3	.5	.3							5.5	8.1	7.0
290-310	.8	1.1	.5	.5								3.0	8.2	6.0
320-340	1.1	3.8	1.4	1.4	.5							8.2	9.8	8.0
VARIABLE														
CALM	////////////////////////////////////											39.2	////////////////////////////////	
TOTALS	13.7	27.7	12.3	4.6	2.2	.3						100.0	5.1	7.0

TOTAL NUMBER OF OBSERVATIONS 365

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	5.6	3.8	1.0	.1	.1						12.1	9.1	8.0
020-040	4.0	6.3	1.6	.1	.1							12.0	6.1	5.0
050-070	1.4	2.0	.5	.0								3.9	6.1	5.0
(E) 080-100	.3	.2	.2	.0		.0						.8	7.8	6.0
110-130	.1	.3	.0	.0								.5	6.5	5.0
140-160	.3	1.0	.2	.2	.2	.0						1.9	9.5	8.0
(S) 170-190	.9	3.0	1.9	.8	.3	.0						6.8	9.5	8.0
200-220	1.7	5.3	2.8	.7	.2	.1						10.8	8.6	8.0
230-250	1.0	2.0	.9	.4	.1							4.4	8.3	7.0
(W) 260-280	1.2	2.6	1.1	1.2	.2							6.2	9.3	8.0
290-310	.5	1.2	1.0	.4	.1							3.2	9.5	8.0
320-340	1.0	3.3	2.6	1.8	.7	.0						9.4	10.7	10.0
VARIABLE	.0											.0	4.0	4.0
CALM	////////////////////											27.9	////////////////	
TOTALS	13.8	32.8	16.6	6.6	2.0	.2						100.0	6.2	7.0

TOTAL NUMBER OF OBSERVATIONS 335

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	1.1	4.3	1.4	.7								7.6	7.7	7.0
020-040	5.0	5.8	.4								11.2	4.9	5.0	
050-070	2.2	4.3	1.8								8.3	6.5	5.0	
(E) 080-100	.7	.4	.7						.4			2.2	9.8	8.0
110-130			.4			.4						.7	12.0	12.0
140-160			3.2	1.1	1.4	.7						6.5	11.2	9.5
(S) 170-190	1.4	5.0	3.6	1.4	.4						11.9	9.8	9.0	
200-220	1.4	6.1	1.1						.4			9.0	7.4	7.0
230-250	.4	.4	1.1	.4								2.2	10.7	13.0
(W) 260-280	.4	.4	1.1	3.2	1.1						6.1	15.3	16.0	
290-310			.4			1.1						1.4	13.8	16.5
320-340	.4	.4	2.2	1.1	.7						4.7	13.7	13.0	
VARIABLE														
CALM	////////////////////////////////////											28.4	////////////////////////////////	
TOTALS	13.0	31.1	14.5	9.7	2.9	.8						100.0	6.5	7.0

TOTAL NUMBER OF OBSERVATIONS 278

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: DEC HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.1	4.0	4.0	.5	.3	.3						11.2	8.7	8.0
020-040	2.4	3.7	.8									6.9	5.8	5.0
050-070	.8	.3	.8	.5								2.4	9.4	12.0
(E) 080-100														
110-130	.3		.3									.5	8.0	8.0
140-160	.5	1.6	.5	.3								2.9	7.7	7.0
(S) 170-190	.8	2.7	1.6	1.1	.3							6.4	9.6	7.5
200-220	1.3	7.2	5.6	1.3	1.1	.3						16.8	10.1	9.0
230-250	.5	2.4	1.3	.3		.3						4.8	9.8	7.5
(W) 260-280		.5	.8	1.1								2.4	13.0	13.0
290-310		1.1	.3									1.3	7.0	6.0
320-340	.5	1.9	1.6	1.9	.8	.5	.3					7.4	13.9	13.0
VARIABLE		.3										.3	5.0	5.0
CALM	////////////////////////////////////											36.7	////////////////////////////////	
TOTALS	9.2	25.7	17.6	7.0	2.5	1.4	.3					100.0	6.1	8.0
TOTAL NUMBER OF OBSERVATIONS 376														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: DEC HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	5.3	2.4	.9	.4	.2						10.0	9.4	8.0
020-040	1.8	4.2	.7	.2								6.9	6.3	6.0
050-070	.7	.9	.7	.2								2.4	8.0	7.0
(E) 080-100	.4		.4	.2								1.1	9.4	12.0
110-130			.2									.2	10.0	10.0
140-160	.4	1.3	.7		.2							2.7	8.7	6.0
(S) 170-190	1.1	3.1	1.8	.4	.7							7.1	9.0	2.0
200-220	2.7	6.9	4.7	2.0	1.1							17.3	9.6	8.5
230-250	1.1	3.6	1.3	.9	.2	.2						7.3	9.5	8.0
(W) 260-280	.4	1.1	.2	.4	.9							3.1	12.9	11.5
290-310	.2	.7										.9	6.8	7.5
320-340	.9	4.0	1.6	1.1	.9		.2					8.7	10.5	8.0
VARIABLE														
CALM	////////////////////////////////////											32.2	////////////////////////////////	
TOTALS	10.4	31.1	14.7	6.3	4.4	.4	.2					100.0	6.3	8.0
TOTAL NUMBER OF OBSERVATIONS 450														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: DEC HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	4.3	3.2	1.5	.4							10.6	9.9	9.0
020-040	2.2	3.9	.4									6.5	5.6	5.0
050-070	.2	.6		.4		.2						1.5	11.3	6.0
(E) 080-100	.6	.4	.2	.4								1.7	8.1	6.5
110-130	.2		.2									.4	7.0	7.0
140-160	.2	.2	.4									2.2	6.3	5.0
(S) 170-190	.2	3.9	2.6	.6	.4							7.8	10.0	8.5
200-220	3.2	6.7	4.1	2.6	.6							17.3	9.0	8.0
230-250	1.1	2.4	1.1	.2	.6	.2						5.6	10.2	8.0
(W) 260-280	.2	.9	.9	.2	.6	.2						3.0	12.4	11.0
290-310	.6	.2	.4									1.3	6.5	5.5
320-340	.6	3.0	1.5	1.3	.6		.2					7.4	11.0	9.0
VARIABLE														
CALM	////////////////////											34.6	////////	
TOTALS	11.1	27.2	15.0	7.2	3.2	.6	.2					100.0	6.1	7.5

TOTAL NUMBER OF OBSERVATIONS 462



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECCPD: JAN 79 - DEC 88  
MONTH: DEC HOURS: 09-11

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		1.3	4.0	3.8	2.0	.7	.2						12.0	10.5	10.0
020-040		2.2	6.4	.9									9.6	6.0	5.0
050-070		.9	1.3	.2	.7								3.1	8.1	8.0
(E) 080-100		.7	.9	.4									2.0	6.8	8.0
110-130				.2									.2	10.0	10.0
140-160		.4	.7	.7									1.8	7.1	7.5
(S) 170-190		.9	2.4	4.7	.9	.7							9.6	11.0	11.0
200-220		2.2	5.6	5.3	2.7	.4	.2						16.4	10.3	10.0
230-250		.9	2.9	1.8	1.1	.2	.2						7.1	10.7	9.0
(W) 260-280			.9	.2	.4	1.1							2.7	14.8	18.0
290-310		.7		.4		.4							1.6	10.6	10.0
320-340		.9	2.4	.7	3.1	.2	.4						7.8	12.4	14.0
VARIABLE		.2											.2	4.0	4.0
CALM		////////////////////////////////////											26.0	////////////////////////////////	
TOTALS		11.3	27.5	19.3	10.9	3.7	1.0						100.0	7.4	9.0

TOTAL NUMBER OF OBSERVATIONS 450

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: DEC HOURS: 12-14

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		2.2	1.7	3.5	2.6	1.1	.2						11.3	11.9	12.0
020-040		4.1	8.7	4.8	.9								18.4	7.8	8.0
050-070		2.0	.7	1.3	1.1								5.0	8.3	6.0
(E) 080-100		.4	.9	.2	.2								1.7	7.4	6.5
110-130			.7	.2	.2								1.1	9.6	6.0
140-160		.4	1.1	1.1									2.6	7.8	7.5
(S) 170-190		.9	3.0	2.2	2.4	.2							8.7	11.2	12.0
200-220		1.7	3.9	6.1	4.1	2.0	1.1						18.9	12.8	12.0
230-250		.2	1.5	1.5	2.2	.7		.2	.2				6.5	14.2	14.5
(W) 260-280			.4		1.1	.9	.4						2.8	17.7	17.0
290-310		.2			.2	.2							.7	13.7	15.0
320-340		1.1	1.5	1.5	3.0	.7	.7						8.5	13.6	15.0
VARIABLE		.2											.2	4.0	4.0
CALM		////////////////////////////////////											13.7	////////////////////////////////	
TOTALS		13.4	24.1	22.4	18.0	5.8	2.4	.2	.2				100.0	9.7	10.0
TOTAL NUMBER OF OBSERVATIONS 46															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: DEC HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.1	2.6	3.7	3.2	.4							11.0	12.1	12.0
020-040	5.8	9.0	3.9	.6			.2					19.6	7.2	6.0
050-070	1.5	1.5	1.1	.2								4.3	7.3	6.0
(E) 080-100	1.5	.6	.4	.2								2.8	6.3	4.0
110-130	.6	.6										1.3	4.3	4.5
140-160	.9	1.1	1.3	.2								3.4	8.3	6.5
(S) 170-190	.2	3.9	2.6	2.2	.4							9.2	10.7	10.0
200-220	.6	6.7	4.1	2.8	.4	.2	.2	.2				15.3	11.3	10.0
230-250	.2	4.5	1.7	1.3	1.1	.2						9.0	11.2	9.0
(W) 260-280	.2	.6	.4	.9	.4							2.6	13.0	14.5
290-310	.2	.2	.4	.2								1.1	9.6	10.0
320-340	.9	1.1	2.2	1.9	.9	.4						7.3	13.2	13.5
VARIABLE														
CALM	////////////////////////////////////										13.1	////////////////////////////////		
TOTALS	13.7	32.4	21.8	13.7	3.6	.8	.4	.2				100.0	8.7	9.0
TOTAL NUMBER OF OBSERVATIONS 465														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: DEC HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.6	5.5	2.5	1.3	.2	.2						10.4	9.9	8.0
020-040	3.8	4.9	1.3									10.0	5.6	5.0
050-070	.8	1.1	1.3									3.2	7.9	8.0
(E) 080-100	.4		.2	.2								.8	9.0	8.0
110-130		.2	.2									.4	8.0	8.0
140-160		1.3	.8	.6								2.8	9.9	10.0
(S) 170-190	.6	4.2	2.8	.4								8.1	8.4	8.0
200-220	1.1	8.7	3.6	2.1	.2							15.7	9.5	8.0
230-250	.6	2.1	.8	.8	.4	.6						5.5	12.1	9.0
(W) 260-280	.6	.8	.4	.2	.4	.2						2.8	11.2	8.0
290-310	.2	.6	.4									1.3	8.3	7.5
320-340	.4	2.8	2.3	1.1	.2	.8						7.6	12.0	10.0
VARIABLE														
CALM	////////////////////////////////////										31.6	////////////////////////////////		
TOTALS	9.1	32.2	16.6	6.7	1.4	1.8						100.0	6.4	8.0

TOTAL NUMBER OF OBSERVATIONS 472

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: DEC HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOT, %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	2.0	3.3	3.6	.5		.3						9.7	8.9	8.0
020-040	3.1	4.3	1.5									8.9	6.4	7.0
050-070	.3	.8	.8									1.8	8.0	9.0
(E) 080-100	.3											.3	4.0	4.0
110-130														
140-160	.3	1.0	.5	.8								2.5	10.0	8.5
(S) 170-190	1.5	4.6	1.8	.5	.3							8.7	8.1	8.0
200-220	2.5	6.1	3.3	2.0	.8	.3						15.0	9.6	8.0
230-250	.8	2.5	2.3	.8	.5	.3						7.1	10.4	10.0
(W) 260-280	.3	.5		.5		.3						1.5	12.7	11.5
290-310	.3	.8	.3		.3							1.5	10.0	9.0
320-340	1.0	2.8	3.3	1.3	.5	.8	.3					9.9	12.0	12.0
VARIABLE														
CALM	////////////////////////////////////										33.1	////////////////////////////////		
TOTALS	12.4	26.7	17.4	6.4	2.4	2.0	.3					100.0	6.3	8.0

TOTAL NUMBER OF OBSERVATIONS 393

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 16350

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: DEC HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	3.9	3.3	1.6	.5	.2						10.8	10.3	10.0
020-040	3.2	5.7	1.8	.2			.0					11.0	6.6	6.0
050-070	.9	.9	.8	.4		.0						3.0	8.3	7.5
(E) 080-100	.6	.4	.3	.2								1.4	7.4	5.0
110-130	.1	.2	.2	.0								.5	7.4	5.0
140-160	.5	1.1	.8	.2	.0							2.6	8.3	7.0
(S) 170-190	.8	3.5	2.5	1.1	.4							8.2	9.9	9.0
200-220	1.9	6.5	4.6	2.5	.8	.3	.0	.0				16.6	10.3	9.0
230-250	.7	2.7	1.5	1.0	.5	.3	.0	.0				6.7	11.1	9.0
(W) 260-280	.2	.7	.4	.6	.6	.1						2.6	13.5	14.0
290-310	.3	.4	.3	.1	.1							1.2	8.9	8.0
320-340	.8	2.4	1.8	1.8	.6	.5	.1					8.0	12.3	11.5
VARIABLE	.1	.0										.1	4.3	4.0
CALM	////////////////////////////////////											27.3	////////////////////////////////	
TOTALS	11.5	28.4	18.3	9.7	3.5	1.4	.1					100.0	7.2	8.0

TOTAL NUMBER OF OBSERVATIONS 3529

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: DEC HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	3-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.5	.9	6.3	.5								8.1	10.8	11.0
020-040	.9	2.3	.5									3.6	6.1	6.5
050-070			1.4			.5						1.8	16.3	13.0
(E) 080-100	.5	.5	.5	.5								1.8	8.5	8.0
110-130	1.4	.5	.5									2.3	5.6	4.0
140-160	1.4	3.6	5.0	3.2								13.1	10.2	10.0
(S) 170-190		5.4	9.5	5.4	2.3							22.6	13.1	12.0
200-220	.9	4.5	3.6	1.4	.5	.5		.5				11.8	11.5	10.0
230-250		.9	.9	.9	.5	1.4						4.5	17.3	17.0
(W) 260-280			.5	.5	.9							1.8	18.3	18.5
290-310					.5							.5	22.0	22.0
320-340		.5	1.4	1.4	1.4	2.7						7.2	19.5	21.0
VARIABLE														
CALM	////////////////////////////////////											20.8	////////////////////////////////	
TOTALS	5.6	19.1	30.1	13.8	6.1	5.1		.5				100.0	10.0	12.0

TOTAL NUMBER OF OBSERVATIONS 221

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: ALL HOURS: ALL

WIND SPEED IN KNOTS															
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN	
(DEGREES)												%	WIND	WIND	
(N) 350-010	1.0	3.2	2.1	1.1	.3	.1	.0	.0					8.0	10.1	9.0
020-040	2.9	6.8	2.6	.6	.1	.0	.0					12.9	7.4	7.0	
050-070	1.2	2.5	.5	.1	.0	.0					4.3	6.5	6.0		
(E) 080-100	.5	.7	.1	.1	.0	.0	.0					1.4	6.3	5.0	
110-130	.5	.8	.2	.1	.0	.0					1.5	6.5	5.0		
140-160	.7	1.6	.4	.2	.1	.0	.0					3.0	7.3	6.0	
(S) 170-190	1.5	4.7	2.0	.8	.2	.0					9.2	8.5	7.0		
200-220	2.7	7.7	3.8	1.3	.3	.1	.0	.0	.0			16.0	8.5	7.0	
230-250	1.0	2.7	1.5	.8	.3	.1	.0	.0					6.3	9.5	8.0
(W) 260-280	.4	.7	.2	.2	.1	.0	.0					1.6	8.8	7.0	
290-310	.3	.4	.2	.1	.0	.0					1.0	7.6	6.0		
320-340	.8	2.1	1.2	1.0	.4	.1	.0					5.7	10.7	9.0	
VARIABLE	.0	.1	.0		.0	.0					.1	7.2	6.0		
CALM	////////////////////////////////////											29.0	////////////////////////////////		
TOTALS	13.5	34.0	14.8	6.4	1.8	.4					100.0	6.0	7.0		

TOTAL NUMBER OF OBSERVATIONS: 41235



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: ALL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	.6	2.6	2.8	1.1	.3	.3	.5	.1				8.3	12.3	11.0
020-040	2.0	5.0	2.2	.8	.1	.1						10.2	8.2	7.0
050-070	.7	2.3	.8	.2		.1						4.1	7.6	6.0
(E) 080-100	.4	1.4	.7	.4	.1	.0						3.0	9.3	8.0
110-130	.5	1.2	1.0	.5	.3	.1						3.4	11.1	10.0
140-160	.6	3.1	2.6	1.3	.5	.1						8.3	10.5	10.0
(S) 170-190	2.1	7.0	5.6	3.1	.6	.0						18.6	10.2	10.0
200-220	2.0	6.9	4.3	1.5	.2	.1	.0	.1				15.2	9.1	8.0
230-250	.2	.5	.5	.3	.1	.1	.0					1.8	12.5	12.0
(W) 260-280	.1	.1	.1	.4	.2							.9	14.0	16.0
290-310	.2	.1	.1	.2	.0							.7	10.9	12.0
320-340	.5	.6	1.4	1.4	.8	.3	.0					5.1	14.5	14.5
VARIABLE														
CALM	////////////////////////////////////											20.6	////////////////////////////////	
TOTALS	9.9	30.8	22.1	11.2	3.2	1.2	.5	.2				100.0	8.1	9.0

TOTAL NUMBER OF OBSERVATIONS: 2772

PPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	DDDDDDDD
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	DDDDDDDD
PP PP	AA AA	RR RR	TT	DD DD
PP PP	AA AA	RR RR	TT	DD DD
PPPPPPPP	AA AA	RRRRRRRR	TT	DD DD
PPPPPPPP	AAAAAAAAA	RRRRRRR	TT	DD DD
PP	AAAAAAAAA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DDDDDDDD
PP	AA AA	RR RR	TT	DDDDDDDD

PART D

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VS VISIBILITY--PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY IS A BIVARIATE DISTRIBUTION OF PERCENTAGE FREQUENCY BY CLASSES OF CEILING (FROM ZERO FEET TO 20,000 FEET-- "NO CEILING" IS A SEPARATE CLASS) VERSUS VISIBILITY CLASSES (FROM ZERO MILES (METERS) TO GREATER THAN OR EQUAL TO 7 STATUTE MILES (11,200 METERS)). THE TABLES SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

BECAUSE OF THE CUMULATIVE NATURE OF THESE SUMMARIES, IT IS POSSIBLE TO DETERMINE THE PERCENTAGE OCCURRENCE FREQUENCY (POF) FOR ANY GIVEN CEILING AND/OR VISIBILITY LIMIT(S), EITHER SEPARATELY OR IN ANY COMBINATION. TOTALS PROGRESS FROM RIGHT TO LEFT AND FROM BOTTOM TO TOP. TO DETERMINE CEILING ALONE, REFER TO THE EXTREME RIGHT-HAND COLUMN (ZERO VISIBILITY). TO DETERMINE VISIBILITY ALONE, REFER TO THE BOTTOM ROW (ZERO CEILINGS). DETERMINE THE POF THAT MEETS OR EXCEEDS ANY GIVEN SET OF MAXIMA BY READING THE VALUE AT THE INTERSECTION OF THE APPROPRIATE CEILING ROW AND VISIBILITY COLUMN.

NOTE 1: IN JANUARY 1968, METAR STATIONS BEGAN REPORTING VISIBILITIES TO 6 STATUTE MILES OR 9000 METERS. VALUES EXCEEDING 9000 METERS ARE REPORTED AS "9999."

NOTE 2: FOR OVERSEAS CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS GREATER THAN 5000 FEET APPEAR IN THE 5000 FEET CLASS.

CONVERSIONS: 1 STATUTE MILE = 1,609.344 METERS = .868391 NAUTICAL MILES.  
FOR CONVENIENCE, THE CONVERSION OFTEN USED IS 1 STATUTE MILE = 1,600 METERS.

SKY COVER--PERCENT OCCURRENCE FREQUENCY.

ALSO CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY GIVES PERCENTAGE OCCURRENCE FREQUENCY (POF) OF SKY COVER IN EIGHTHS FOR SYNOPTIC STATIONS, BUT AS CLEAR, SCATTERED, BROKEN, OVERCAST, PARTIALLY OBSCURED, OR TOTALLY OBSCURED FOR AIRWAYS STATIONS. FOR AIRWAYS STATIONS, THIS SUMMARY ALSO GIVES POF FOR SKY COVER GREATER THAN ONE-HALF (I.E., 6/10). DATA IS SUMMARIZED THE SAME AS FOR PREVIOUS TABLE.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR METAR REPORTING STATIONS.

NOTE 2. AIRWAYS STATIONS THAT HAVE EPORTED IN SYNOPTIC CODE HAVE HAD THEIR  
SYNOPTIC SKY COVER REPORTS CONVERTED AS FOLLOWS:

0/8.....CLEAR  
1/8 THRU 4/8.....SCATTERED  
5/8 THRU 7/8.....BROKEN  
8/8.....OVERCAST

NOTE 3. "PARTIAL OBSCURATION" IS A SEPARATE CATEGORY NOT INCLUDED IN  
COMPUTATION OF "GREATER THAN 1/2" PERCENTAGES. "TOTAL OBSCURATIONS,"  
HOWEVER, ARE INCLUDED.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROSTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: 00-02

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	31.2	68.6	74.9	79.1	82.4	83.7	83.7	83.9	83.9	83.9	83.9	83.9	84.2	84.4	84.7	85.2
GE 4500	31.2	68.6	74.9	79.1	82.4	83.7	83.7	83.9	83.9	83.9	83.9	83.9	84.2	84.4	84.7	85.2
GE 4000	31.2	68.6	74.9	79.1	82.4	83.7	83.7	83.9	83.9	83.9	83.9	83.9	84.2	84.4	84.7	85.2
GE 3500	31.7	69.1	75.4	79.6	82.9	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.7	84.9	85.2	85.7
GE 3000	31.7	69.1	75.4	79.6	82.9	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.7	84.9	85.2	85.7
GE 2500	31.7	69.3	75.6	79.9	83.2	84.4	84.4	84.7	84.7	84.7	84.7	84.7	84.9	85.2	85.4	85.9
GE 2000	33.9	72.4	79.1	83.4	86.7	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.4	88.7	88.9	89.4
GE 1800	34.7	73.1	80.2	84.4	87.7	88.9	88.9	89.2	89.2	89.2	89.2	89.2	89.4	89.7	89.9	90.5
GE 1500	35.9	75.1	82.4	86.7	90.5	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.2	92.5	92.7	93.2
GE 1200	36.4	75.9	83.4	87.7	91.5	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.2	93.5	93.7	94.2
GE 1000	36.4	75.9	83.7	88.7	93.2	94.5	94.5	95.2	95.2	95.2	95.2	95.2	95.5	95.7	96.2	96.7
GE 900	36.4	75.9	84.2	89.2	93.7	95.0	95.0	95.7	95.7	95.7	95.7	95.7	96.0	96.2	96.7	97.2
GE 800	36.4	75.9	84.2	89.2	93.7	95.2	95.2	96.0	96.0	96.0	96.0	96.0	96.2	96.5	97.0	97.5
GE 700	36.4	75.9	84.2	89.2	94.0	95.7	95.7	97.0	97.0	97.0	97.2	97.2	97.5	97.7	98.2	98.7
GE 600	36.4	75.9	84.2	89.2	94.2	96.0	96.0	97.2	97.2	97.2	97.5	97.5	97.7	98.0	98.5	99.0
GE 500	36.4	75.9	84.2	89.2	94.2	96.0	96.0	97.2	97.2	97.2	97.5	97.5	97.7	98.0	98.5	99.0
GE 400	36.4	75.9	84.2	89.2	94.2	96.5	96.5	97.7	98.0	98.0	98.2	98.2	98.5	98.7	99.2	99.7
GE 300	36.4	75.9	84.2	89.2	94.2	96.5	96.5	97.7	98.0	98.0	98.2	98.2	98.5	98.7	99.2	100.0
GE 200	36.4	75.9	84.2	89.2	94.2	96.5	96.5	97.7	98.0	98.0	98.2	98.2	98.5	98.7	99.2	100.0
GE 100	36.4	75.9	84.2	89.2	94.2	96.5	96.5	97.7	98.0	98.0	98.2	98.2	98.5	98.7	99.2	100.0
GE 000	36.4	75.9	84.2	89.2	94.2	96.5	96.5	97.7	98.0	98.0	98.2	98.2	98.5	98.7	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 398

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: 03-05

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE	5000	33.0	70.5	79.4	81.7	84.3	84.7	84.9	85.3	85.5	85.5	85.9	85.9	85.9	85.9	85.9	86.2
GE	4500	33.0	70.5	79.4	81.7	84.3	84.7	84.9	85.3	85.5	85.5	85.9	85.9	85.9	85.9	85.9	86.2
GE	4000	33.0	70.5	79.4	81.7	84.3	84.7	84.9	85.3	85.5	85.5	85.9	85.9	85.9	85.9	85.9	86.2
GE	3500	33.0	70.5	79.4	81.7	84.3	84.7	84.9	85.3	85.5	85.5	85.9	85.9	85.9	85.9	85.9	86.2
GE	3000	33.0	70.5	79.4	81.7	84.3	84.7	84.9	85.3	85.5	85.5	85.9	85.9	85.9	85.9	85.9	86.2
GE	2500	33.2	70.7	79.6	81.9	84.5	84.9	85.1	85.5	85.7	85.7	86.2	86.2	86.2	86.2	86.2	86.4
GE	2000	34.6	73.3	82.3	84.5	87.2	87.8	88.0	88.4	88.6	88.6	89.0	89.0	89.0	89.0	89.0	89.2
GE	1800	35.4	74.3	83.5	85.7	88.4	89.0	89.2	89.6	89.8	89.8	90.2	90.2	90.2	90.2	90.2	90.4
GE	1500	36.5	76.0	85.3	87.6	90.4	91.0	91.2	91.6	92.1	92.1	92.5	92.5	92.5	92.5	92.5	92.7
GE	1200	37.3	77.2	86.8	89.2	92.3	92.9	93.1	93.5	94.3	94.3	94.7	94.7	94.7	94.7	94.7	94.9
GE	1000	37.5	77.8	87.4	90.0	93.7	94.3	94.5	95.7	96.5	96.5	96.9	96.9	96.9	96.9	96.9	97.1
GE	900	37.5	77.8	87.4	90.0	93.7	94.3	94.5	95.7	96.5	96.5	96.9	96.9	96.9	96.9	96.9	97.1
GE	800	37.5	77.8	87.4	90.0	93.9	94.5	94.7	96.3	97.4	97.4	97.8	97.8	97.8	97.8	97.8	98.0
GE	700	37.5	77.8	87.4	90.0	94.3	94.9	95.3	96.9	98.0	98.0	98.4	98.4	98.4	98.4	98.4	98.6
GE	600	37.5	77.8	87.4	90.2	94.7	95.3	95.7	97.4	98.4	98.4	98.8	98.8	98.8	98.8	98.8	99.0
GE	500	37.5	77.8	87.4	90.2	94.7	95.3	95.7	97.6	98.6	98.6	99.2	99.2	99.2	99.2	99.2	99.4
GE	400	37.5	77.8	87.4	90.2	94.7	95.7	96.1	98.2	99.2	99.2	99.8	99.8	99.8	99.8	99.8	100.0
GE	300	37.5	77.8	87.4	90.2	94.7	95.7	96.1	98.2	99.2	99.2	99.8	99.8	99.8	99.8	99.8	100.0
GE	200	37.5	77.8	87.4	90.2	94.7	95.7	96.1	98.2	99.2	99.2	99.8	99.8	99.8	99.8	99.8	100.0
GE	100	37.5	77.8	87.4	90.2	94.7	95.7	96.1	98.2	99.2	99.2	99.8	99.8	99.8	99.8	99.8	100.0
GE	000	37.5	77.8	87.4	90.2	94.7	95.7	96.1	98.2	99.2	99.2	99.8	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 491

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 103500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: 06-08

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	33.5	70.4	76.9	79.1	81.1	82.1	82.1	82.8	83.2	83.4	83.8	83.8	83.8	83.8	83.8	84.4
GE 4500	33.5	70.4	76.9	79.1	81.1	82.1	82.1	82.8	83.2	83.4	83.8	83.8	83.8	83.8	83.8	84.4
GE 4000	33.7	70.6	77.1	79.3	81.3	82.2	82.2	83.0	83.4	83.6	84.0	84.0	84.0	84.0	84.0	84.6
GE 3500	33.7	70.6	77.1	79.3	81.3	82.2	82.2	83.0	83.4	83.6	84.0	84.0	84.0	84.0	84.0	84.6
GE 3000	33.7	70.6	77.1	79.3	81.3	82.2	82.2	83.0	83.4	83.6	84.0	84.0	84.0	84.0	84.0	84.6
GE 2500	33.9	71.0	77.5	79.7	81.7	82.6	82.6	83.4	83.8	84.0	84.4	84.4	84.4	84.4	84.4	85.0
GE 2000	35.5	73.0	79.7	82.1	84.2	85.2	85.2	86.0	86.4	86.6	87.0	87.0	87.0	87.0	87.0	87.6
GE 1800	35.7	73.4	80.1	82.4	84.6	85.6	85.6	86.4	86.8	87.0	87.4	87.4	87.4	87.4	87.4	88.0
GE 1500	36.7	74.8	82.1	84.8	87.0	88.0	88.0	88.8	89.3	89.5	89.9	89.9	89.9	89.9	89.9	90.5
GE 1200	37.5	75.5	84.0	87.2	90.1	91.1	91.1	91.9	92.7	92.9	93.5	93.5	93.5	93.5	93.5	94.1
GE 1000	38.1	76.3	85.4	89.2	92.5	94.1	94.1	94.9	95.7	95.9	96.4	96.4	96.4	96.4	96.6	97.2
GE 900	38.1	76.3	85.4	89.2	92.5	94.1	94.1	94.9	95.7	95.9	96.6	96.6	96.6	96.6	96.8	97.4
GE 800	38.1	76.3	85.6	89.5	93.9	95.9	95.9	96.8	97.8	98.0	98.8	98.8	98.8	98.8	99.0	99.6
GE 700	38.1	76.3	85.6	89.5	93.9	95.9	95.9	96.8	97.8	98.0	98.8	98.8	98.8	98.8	99.0	99.6
GE 600	38.1	76.3	85.6	89.5	93.9	95.9	95.9	96.8	97.8	98.0	98.8	98.8	98.8	98.8	99.0	99.6
GE 500	38.1	76.3	85.6	89.5	93.9	95.9	95.9	96.8	97.8	98.0	98.8	98.8	98.8	98.8	99.0	99.6
GE 400	38.1	76.3	85.6	89.5	93.9	96.1	96.1	97.0	98.0	98.2	99.0	99.0	99.0	99.0	99.2	99.8
GE 300	38.1	76.3	85.6	89.5	93.9	96.1	96.1	97.0	98.0	98.2	99.0	99.0	99.0	99.0	99.2	99.8
GE 200	38.1	76.3	85.6	89.5	93.9	96.1	96.1	97.0	98.0	98.2	99.0	99.0	99.0	99.0	99.2	99.8
GE 100	38.1	76.3	85.6	89.5	93.9	96.1	96.1	97.0	98.0	98.2	99.0	99.0	99.0	99.0	99.2	99.8
GE 000	38.1	76.3	85.6	89.5	93.9	96.1	96.1	97.0	98.0	98.2	99.0	99.0	99.0	99.0	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 507

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: 09-11

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE	5000	45.0	70.5	76.3	80.5	83.5	84.5	84.5	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE	4500	45.0	70.5	76.3	80.5	83.5	84.5	84.5	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE	4000	45.0	70.5	76.3	80.5	83.5	84.5	84.5	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE	3500	45.0	70.5	76.3	80.5	83.5	84.5	84.5	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE	3000	45.0	70.9	76.7	80.9	83.9	84.9	84.9	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE	2500	45.8	71.9	77.7	81.9	84.9	85.9	85.9	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE	2000	47.6	74.7	80.7	84.9	88.0	89.0	89.0	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE	1800	47.8	74.9	81.1	85.3	88.4	89.4	89.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE	1500	48.6	75.9	82.5	86.9	90.2	91.2	91.2	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE	1200	49.0	76.3	83.5	88.8	92.4	93.4	93.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE	1000	49.0	76.3	83.7	89.2	93.8	95.0	95.0	96.6	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0
GE	900	49.0	76.3	83.7	89.2	94.2	95.4	95.4	97.0	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4
GE	800	49.0	76.3	83.9	89.8	95.0	96.4	96.4	98.0	98.2	98.2	98.8	98.8	98.8	98.8	98.8	98.8
GE	700	49.0	76.3	83.9	90.0	95.2	96.8	96.8	98.4	98.6	98.6	99.2	99.2	99.2	99.2	99.2	99.2
GE	600	49.0	76.3	83.9	90.0	95.4	97.2	97.2	99.0	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8
GE	500	49.0	76.3	83.9	90.0	95.4	97.2	97.2	99.0	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8
GE	400	49.0	76.3	83.9	90.0	95.4	97.2	97.2	99.0	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8
GE	300	49.0	76.3	83.9	90.0	95.4	97.2	97.2	99.0	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8
GE	200	49.0	76.3	83.9	90.0	95.4	97.2	97.2	99.0	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8
GE	100	49.0	76.3	83.9	90.0	95.4	97.2	97.2	99.0	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8
GE	000	49.0	76.3	83.9	90.0	95.4	97.2	97.2	99.0	99.2	99.2	99.8	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 498



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: 12-14

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE 5000		46.1	68.3	73.7	76.8	78.8	79.6	79.6	79.6	79.6	79.6	79.8	79.8	79.8	79.8	79.8	79.8
GE 4500		46.1	68.3	73.7	76.8	78.8	79.6	79.6	79.6	79.6	79.6	79.8	79.8	79.8	79.8	79.8	79.8
GE 4000		46.1	68.3	73.7	76.8	78.8	79.6	79.6	79.6	79.6	79.6	79.8	79.8	79.8	79.8	79.8	79.8
GE 3500		46.1	68.3	73.7	76.8	78.8	79.6	79.6	79.6	79.6	79.6	79.8	79.8	79.8	79.8	79.8	79.8
GE 3000		46.3	68.5	73.9	77.0	79.0	79.8	79.8	79.8	79.8	79.8	80.0	80.0	80.0	80.0	80.0	80.0
GE 2500		46.3	68.7	74.1	77.2	79.2	80.0	80.0	80.0	80.0	80.0	80.2	80.2	80.2	80.2	80.2	80.2
GE 2000		49.1	72.9	79.0	82.0	84.0	84.8	84.8	84.8	84.8	84.8	85.1	85.1	85.1	85.1	85.1	85.1
GE 1800		50.3	74.3	80.6	83.6	85.7	86.7	86.7	86.7	86.7	86.7	86.9	86.9	86.9	86.9	86.9	86.9
GE 1500		52.1	76.2	83.8	86.9	89.1	90.3	90.3	90.3	90.3	90.3	90.5	90.5	90.5	90.5	90.5	90.5
GE 1200		52.3	76.8	84.8	88.1	91.3	92.5	92.5	92.9	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.1
GE 1000		52.3	76.8	85.5	88.9	93.3	94.9	94.9	95.8	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2
GE 900		52.3	76.8	85.7	89.1	93.9	95.6	95.6	96.6	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0
GE 800		52.5	77.0	85.9	89.9	95.4	97.2	97.2	98.2	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6
GE 700		52.5	77.0	85.9	89.9	95.6	97.4	97.4	98.4	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0
GE 600		52.5	77.0	85.9	89.9	95.8	97.6	97.6	98.8	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
GE 500		52.5	77.0	85.9	89.9	95.8	97.6	97.6	98.8	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
GE 400		52.5	77.0	85.9	89.9	95.8	97.6	97.6	99.0	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		52.5	77.0	85.9	89.9	95.8	97.6	97.6	99.0	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		52.5	77.0	85.9	89.9	95.8	97.6	97.6	99.0	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		52.5	77.0	85.9	89.9	95.8	97.6	97.6	99.0	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 000		52.5	77.0	85.9	89.9	95.8	97.6	97.6	99.0	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 495

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	43.7	65.8	74.2	78.5	80.7	80.9	80.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 4500	43.7	65.8	74.2	78.5	80.7	80.9	80.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 4000	43.7	65.8	74.2	78.5	80.7	80.9	80.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 3500	43.7	65.8	74.4	78.7	80.9	81.1	81.1	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 3000	44.1	66.4	75.1	79.3	81.5	81.7	81.7	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 2500	44.5	67.2	76.1	80.3	82.9	83.1	83.1	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 2000	46.1	69.8	78.9	83.1	85.7	85.9	85.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 1800	46.7	70.8	80.1	84.3	87.1	87.3	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 1500	48.5	73.2	83.1	87.5	90.3	90.5	90.5	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 1200	49.3	74.0	84.1	88.7	92.6	92.8	92.8	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 1000	49.5	74.2	84.5	89.7	94.2	95.8	95.8	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 900	49.5	74.2	84.5	89.9	95.2	97.0	97.0	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 800	49.5	74.2	84.7	90.1	95.8	98.0	98.0	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 700	49.5	74.2	84.7	90.3	96.2	98.6	98.6	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	49.5	74.2	84.7	90.3	96.2	98.6	98.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	49.5	74.2	84.7	90.3	96.2	98.8	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	49.5	74.2	84.7	90.3	96.2	98.8	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	49.5	74.2	84.7	90.3	96.2	98.8	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	49.5	74.2	84.7	90.3	96.2	98.8	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	49.5	74.2	84.7	90.3	96.2	98.8	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	49.5	74.2	84.7	90.3	96.2	98.8	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 497

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: 18-20

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	36.1	65.9	74.9	77.4	80.1	80.9	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 4500	36.1	65.9	74.9	77.4	80.1	80.9	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 4000	36.1	65.9	74.9	77.4	80.1	80.9	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 3500	36.1	65.9	74.9	77.4	80.1	80.9	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 3000	36.3	66.1	75.2	77.6	80.3	81.1	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 2500	36.8	67.1	76.2	78.6	81.5	82.3	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 2000	38.8	70.0	79.7	82.1	85.4	86.2	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 1800	40.5	72.1	82.1	84.6	88.1	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 1500	41.7	73.5	84.2	86.9	90.6	91.4	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 1200	41.7	73.5	84.6	87.5	91.6	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 1000	41.7	73.5	85.0	88.1	93.0	95.1	95.1	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 900	41.7	73.5	85.0	88.1	93.0	95.5	95.5	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 800	41.7	73.5	85.2	88.3	93.8	96.9	96.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 700	41.7	73.5	85.2	88.3	94.3	97.5	97.5	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 600	41.7	73.5	85.2	88.5	94.5	97.7	97.7	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	41.7	73.5	85.2	88.5	94.5	97.7	97.7	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	41.7	73.5	85.2	88.5	94.5	97.7	97.7	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	41.7	73.5	85.2	88.5	94.5	97.7	97.7	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	41.7	73.5	85.2	88.5	94.5	97.7	97.7	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	41.7	73.5	85.2	88.5	94.5	97.7	97.7	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 000	41.7	73.5	85.2	88.5	94.7	97.9	97.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 487

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: 21-23

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	33.3	71.1	78.1	82.6	84.6	85.1	85.1	85.6	86.1	86.1	86.1	86.1	86.1	86.3	86.3	86.8
GE 4500	33.3	71.1	78.1	82.6	84.6	85.1	85.1	85.6	86.1	86.1	86.1	86.1	86.1	86.3	86.3	86.8
GE 4000	33.3	71.1	78.1	82.6	84.6	85.1	85.1	85.6	86.1	86.1	86.1	86.1	86.1	86.3	86.3	86.8
GE 3500	33.3	71.1	78.1	82.6	84.6	85.1	85.1	85.6	86.1	86.1	86.1	86.1	86.1	86.3	86.3	86.8
GE 3000	33.3	71.1	78.1	82.6	84.6	85.1	85.1	85.6	86.1	86.1	86.1	86.1	86.1	86.3	86.3	86.8
GE 2500	33.6	71.4	78.4	82.8	84.8	85.3	85.3	85.8	86.3	86.3	86.3	86.3	86.3	86.6	86.6	87.1
GE 2000	34.8	73.4	80.3	84.8	87.1	87.6	87.6	88.1	88.6	88.6	88.6	88.6	88.6	88.8	88.8	89.3
GE 1800	35.1	73.9	80.8	85.3	87.6	88.1	88.1	88.6	89.1	89.1	89.1	89.1	89.1	89.3	89.3	89.8
GE 1500	36.1	75.4	83.3	88.6	91.0	91.5	91.5	92.0	92.5	92.5	92.5	92.5	92.5	92.8	92.8	93.3
GE 1200	36.1	75.9	83.8	89.1	91.8	92.3	92.3	92.8	93.3	93.3	93.3	93.3	93.3	93.5	93.5	94.0
GE 1000	36.3	76.1	84.1	89.3	93.3	93.8	93.8	94.5	95.3	95.3	95.3	95.3	95.3	95.5	95.5	96.0
GE 900	36.3	76.1	84.1	89.6	93.8	94.5	94.5	95.3	96.0	96.0	96.0	96.0	96.0	96.3	96.3	96.8
GE 800	36.3	76.1	84.1	89.6	94.5	95.5	95.5	96.5	97.3	97.3	97.3	97.3	97.3	97.5	97.5	98.0
GE 700	36.3	76.1	84.1	89.6	94.5	95.5	95.5	96.5	97.3	97.3	97.5	97.5	97.5	97.8	97.8	98.3
GE 600	36.3	76.1	84.1	90.0	95.3	96.3	96.3	97.3	98.0	98.0	98.3	98.3	98.3	98.5	98.5	99.0
GE 500	36.3	76.1	84.1	90.0	96.0	97.0	97.0	98.0	98.8	98.8	99.0	99.0	99.0	99.3	99.3	99.8
GE 400	36.3	76.1	84.1	90.0	96.3	97.3	97.3	98.3	99.0	99.0	99.3	99.3	99.3	99.5	99.5	100.0
GE 300	36.3	76.1	84.1	90.0	96.3	97.3	97.3	98.3	99.0	99.0	99.3	99.3	99.3	99.5	99.5	100.0
GE 200	36.3	76.1	84.1	90.0	96.3	97.3	97.3	98.3	99.0	99.0	99.3	99.3	99.3	99.5	99.5	100.0
GE 100	36.3	76.1	84.1	90.0	96.3	97.3	97.3	98.3	99.0	99.0	99.3	99.3	99.3	99.5	99.5	100.0
GE 000	36.3	76.1	84.1	90.0	96.3	97.3	97.3	98.3	99.0	99.0	99.3	99.3	99.3	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 402

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	38.0	68.8	76.1	79.4	81.9	82.6	82.6	83.0	83.2	83.2	83.3	83.3	83.3	83.4	83.4	83.6
GE 4500	38.0	68.8	76.1	79.4	81.9	82.6	82.6	83.0	83.2	83.2	83.3	83.3	83.3	83.4	83.4	83.6
GE 4000	38.0	68.9	76.1	79.4	81.9	82.6	82.6	83.0	83.2	83.2	83.3	83.3	83.3	83.4	83.4	83.7
GE 3500	38.1	68.9	76.2	79.5	82.0	82.7	82.7	83.1	83.3	83.3	83.4	83.4	83.4	83.5	83.5	83.7
GE 3000	38.2	69.1	76.3	79.7	82.1	82.9	82.9	83.3	83.4	83.5	83.6	83.6	83.6	83.7	83.7	83.9
GE 2500	38.5	69.6	76.9	80.2	82.8	83.5	83.5	83.9	84.1	84.1	84.2	84.2	84.3	84.3	84.3	84.6
GE 2000	40.3	72.4	80.0	83.3	86.0	86.8	86.8	87.2	87.3	87.3	87.5	87.5	87.5	87.5	87.6	87.8
GE 1800	41.1	73.4	81.1	84.5	87.2	87.9	88.0	88.4	88.5	88.5	88.7	88.7	88.7	88.7	88.8	89.0
GE 1500	42.3	75.0	83.4	86.9	89.8	90.6	90.7	91.1	91.3	91.3	91.4	91.4	91.5	91.5	91.5	91.8
GE 1200	42.8	75.6	84.4	88.3	91.7	92.5	92.6	93.1	93.4	93.4	93.5	93.5	93.6	93.6	93.6	93.9
GE 1000	42.9	75.9	85.0	89.1	93.4	94.7	94.7	95.7	96.0	96.0	96.2	96.2	96.2	96.3	96.4	96.6
GE 900	42.9	75.9	85.0	89.3	93.7	95.2	95.2	96.2	96.5	96.6	96.8	96.8	96.8	96.8	96.9	97.1
GE 800	42.9	75.9	85.2	89.6	94.5	96.2	96.3	97.4	97.8	97.8	98.1	98.1	98.1	98.2	98.3	98.5
GE 700	42.9	75.9	85.2	89.6	94.8	96.6	96.6	97.8	98.3	98.3	98.6	98.6	98.7	98.7	98.8	99.0
GE 600	42.9	75.9	85.2	89.7	95.0	96.8	96.9	98.2	98.8	98.8	99.1	99.1	99.1	99.2	99.3	99.5
GE 500	42.9	75.9	85.2	89.7	95.1	97.0	97.0	98.4	98.9	98.9	99.3	99.3	99.3	99.4	99.4	99.7
GE 400	42.9	75.9	85.2	89.7	95.1	97.1	97.2	98.6	99.2	99.2	99.5	99.5	99.5	99.6	99.7	99.9
GE 300	42.9	75.9	85.2	89.7	95.1	97.1	97.2	98.6	99.2	99.2	99.5	99.5	99.5	99.6	99.7	99.9
GE 200	42.9	75.9	85.2	89.7	95.1	97.1	97.2	98.6	99.2	99.2	99.5	99.5	99.5	99.6	99.7	99.9
GE 100	42.9	75.9	85.2	89.7	95.1	97.1	97.2	98.6	99.2	99.2	99.5	99.5	99.5	99.6	99.7	99.9
GE 000	42.9	75.9	85.2	89.7	95.1	97.1	97.2	98.6	99.2	99.2	99.5	99.5	99.6	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 3775

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB HOURS: 00-02

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	31.0	63.9	75.5	77.9	80.9	81.5	81.5	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.4
GE 4500	31.0	63.9	75.5	77.9	80.9	81.5	81.5	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.4
GE 4000	31.0	63.9	75.5	77.9	80.9	81.5	81.5	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.4
GE 3500	31.0	63.9	75.5	77.9	80.9	81.5	81.5	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.4
GE 3000	31.0	63.9	75.5	77.9	80.9	81.5	81.5	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.4
GE 2500	31.6	64.8	76.4	78.8	81.8	82.4	82.4	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.3
GE 2000	31.9	65.1	77.3	80.0	83.0	83.6	83.6	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.5
GE 1800	32.5	66.3	78.8	81.5	84.5	85.1	85.1	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	86.0
GE 1500	32.5	67.2	80.3	83.6	87.2	87.8	87.8	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.7
GE 1200	33.1	67.8	81.2	84.5	88.1	89.3	89.3	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.1
GE 1000	33.4	68.4	83.6	87.5	92.8	95.2	95.2	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	96.1
GE 900	33.4	68.4	83.6	87.5	92.8	95.2	95.2	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	96.1
GE 800	33.4	68.4	83.6	87.5	93.4	95.8	95.8	97.3	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.2
GE 700	33.4	68.4	83.6	87.5	93.4	95.8	95.8	97.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.8
GE 600	33.4	68.4	83.6	87.5	93.4	95.8	95.8	97.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.8
GE 500	33.4	68.4	83.6	87.5	93.4	95.8	95.8	97.9	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.1
GE 400	33.4	68.4	83.6	87.5	93.4	95.8	95.8	97.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.4
GE 300	33.4	68.4	83.6	87.5	93.4	95.8	95.8	97.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.4
GE 200	33.4	68.4	83.6	87.5	93.4	95.8	95.8	97.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.4
GE 100	33.4	68.4	83.6	87.5	93.4	95.8	95.8	97.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.4
GE 000	33.4	68.4	83.6	87.5	93.4	95.8	95.8	97.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 335

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB HOURS: 03-05

CEILING	VISIBILITY IN METERS															
IN FEET	112	90	80	60	48	40	32	24	20	16	12	10	08	06	04	00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	29.9	67.0	76.1	79.0	82.3	83.4	83.4	83.6	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.4
GE 4500	29.9	67.0	76.1	79.0	82.3	83.4	83.4	83.6	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.4
GE 4000	29.9	67.0	76.1	79.0	82.3	83.4	83.4	83.6	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.4
GE 3500	29.9	67.0	76.1	79.0	82.3	83.4	83.4	83.6	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.4
GE 3000	29.9	67.0	76.1	79.0	82.3	83.4	83.4	83.6	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.4
GE 2500	30.6	68.3	77.4	80.3	83.6	84.7	84.7	84.9	85.2	85.2	85.5	85.5	85.5	85.5	85.5	85.7
GE 2000	30.6	69.4	78.4	81.6	85.2	86.2	86.2	86.5	86.8	86.8	87.0	87.0	87.0	87.0	87.0	87.3
GE 1800	30.6	69.4	79.0	82.1	85.7	86.8	86.8	87.0	87.3	87.3	87.5	87.5	87.5	87.5	87.5	87.8
GE 1500	30.6	69.6	80.3	83.4	87.8	89.1	89.1	89.4	89.6	89.6	89.9	89.9	89.9	89.9	89.9	90.1
GE 1200	30.6	69.6	80.5	83.9	88.6	90.4	90.4	90.6	90.9	90.9	91.2	91.2	91.2	91.2	91.2	91.4
GE 1000	30.6	69.9	82.1	86.8	93.8	96.1	96.1	96.4	96.6	96.6	96.9	96.9	96.9	96.9	96.9	97.1
GE 900	30.6	69.9	82.1	86.8	93.8	96.1	96.1	96.4	96.6	96.6	96.9	96.9	96.9	96.9	96.9	97.1
GE 800	30.6	69.9	82.1	86.8	93.8	96.6	96.6	96.2	98.4	98.4	98.7	98.7	98.7	98.7	98.7	99.0
GE 700	30.6	69.9	82.1	86.8	94.0	96.9	96.9	98.4	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.2
GE 600	30.6	69.9	82.1	86.8	94.0	96.9	96.9	98.4	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.2
GE 500	30.6	69.9	82.1	86.8	94.0	96.9	96.9	98.4	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.5
GE 400	30.6	69.9	82.1	86.8	94.0	97.1	97.1	98.7	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.7
GE 300	30.6	69.9	82.1	86.8	94.0	97.1	97.1	98.7	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.7
GE 200	30.6	69.9	82.1	86.8	94.0	97.1	97.1	98.7	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.7
GE 100	30.6	69.9	82.1	86.8	94.0	97.1	97.1	98.7	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.7
GE 000	30.6	69.9	82.1	86.8	94.0	97.1	97.1	98.7	99.2	99.2	99.5	99.5	99.5	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 385

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB HOURS: 06-08

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	26.5	59.7	70.4	74.8	82.3	82.9	82.9	83.9	84.2	84.2	84.4	84.4	84.4	84.7	85.2	85.2
GE 4500	26.5	59.7	70.4	74.8	82.3	82.9	82.9	83.9	84.2	84.2	84.4	84.4	84.4	84.7	85.2	85.2
GE 4000	26.5	59.7	70.4	74.8	82.3	82.9	82.9	83.9	84.2	84.2	84.4	84.4	84.4	84.7	85.2	85.2
GE 3500	26.5	59.7	70.4	74.8	82.3	82.9	82.9	83.9	84.2	84.2	84.4	84.4	84.4	84.7	85.2	85.2
GE 3000	26.8	60.0	70.6	75.1	82.6	83.1	83.1	84.2	84.4	84.4	84.7	84.7	84.7	84.9	85.5	85.5
GE 2500	26.8	60.0	70.9	75.3	82.9	83.4	83.4	84.4	84.7	84.7	84.9	84.9	84.9	85.2	85.7	85.7
GE 2000	27.3	61.3	72.5	76.9	84.4	84.9	84.9	86.0	86.2	86.2	86.5	86.5	86.5	86.8	87.3	87.3
GE 1800	28.1	62.3	74.0	78.4	86.0	86.5	86.5	87.5	87.8	87.8	88.1	88.1	88.1	88.3	88.8	88.8
GE 1500	28.6	63.4	75.1	80.0	87.8	88.3	88.3	89.4	89.6	89.6	89.9	89.9	89.9	90.1	90.6	90.6
GE 1200	28.8	63.6	75.3	80.8	88.8	89.4	89.4	90.6	90.9	90.9	91.2	91.2	91.2	91.4	91.9	91.9
GE 1000	29.4	64.2	76.9	83.1	93.8	95.3	95.3	96.9	97.1	97.1	97.4	97.4	97.4	97.7	98.2	98.2
GE 900	29.4	64.2	76.9	83.1	93.8	95.3	95.3	96.9	97.1	97.1	97.4	97.4	97.4	97.7	98.2	98.2
GE 800	29.4	64.2	76.9	83.1	94.0	96.1	96.1	97.7	98.2	98.2	98.4	98.4	98.4	98.7	99.2	99.2
GE 700	29.4	64.2	76.9	83.1	94.3	96.4	96.4	97.9	98.7	98.7	99.0	99.0	99.0	99.2	99.7	99.7
GE 600	29.4	64.2	76.9	83.1	94.3	96.4	96.4	97.9	98.7	98.7	99.0	99.0	99.0	99.2	99.7	99.7
GE 500	29.4	64.2	76.9	83.1	94.3	96.4	96.4	97.9	98.7	98.7	99.0	99.0	99.0	99.2	99.7	99.7
GE 400	29.4	64.2	76.9	83.1	94.3	96.4	96.4	97.9	98.7	98.7	99.0	99.0	99.0	99.2	99.7	99.7
GE 300	29.4	64.2	76.9	83.1	94.3	96.4	96.4	97.9	98.7	98.7	99.0	99.0	99.0	99.2	99.7	99.7
GE 200	29.4	64.2	76.9	83.1	94.3	96.4	96.4	97.9	98.7	98.7	99.0	99.0	99.0	99.2	99.7	100.0
GE 100	29.4	64.2	76.9	83.1	94.3	96.4	96.4	97.9	98.7	98.7	99.0	99.0	99.0	99.2	99.7	100.0
GE 000	29.4	64.2	76.9	83.1	94.3	96.4	96.4	97.9	98.7	98.7	99.0	99.0	99.0	99.2	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 385



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB HOURS: 09-11

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	36.5	61.4	74.9	78.6	83.6	85.2	85.2	86.2	86.2	86.5	86.5	86.5	86.8	86.8	86.8	87.0
GE 4500	36.5	61.4	74.9	78.6	83.6	85.2	85.2	86.2	86.2	86.5	86.5	86.5	86.8	86.8	86.8	87.0
GE 4000	36.5	61.4	74.9	78.6	83.6	85.2	85.2	86.2	86.2	86.5	86.5	86.5	86.8	86.8	86.8	87.0
GE 3500	36.5	61.4	74.9	78.6	83.6	85.2	5.2	86.2	86.2	86.5	86.5	86.5	86.8	86.8	86.8	87.0
GE 3000	36.5	61.4	74.9	78.6	83.9	85.4	85.4	86.5	86.5	86.8	86.8	86.8	87.0	87.0	87.0	87.3
GE 2500	36.8	61.6	75.1	78.8	84.1	85.7	85.7	86.8	86.8	87.0	87.0	87.0	87.3	87.3	87.3	87.6
GE 2000	37.3	63.0	76.7	81.0	86.2	87.8	87.8	88.9	88.9	89.2	89.2	89.2	89.4	89.4	89.4	89.7
GE 1800	37.8	63.5	77.2	81.7	87.0	88.6	88.6	89.7	89.7	89.9	89.9	89.9	90.2	90.2	90.2	90.5
GE 1500	38.1	64.0	77.8	82.8	88.4	89.9	89.9	91.0	91.0	91.3	91.3	91.3	91.5	91.5	91.5	91.8
GE 1200	38.9	65.1	80.4	86.0	91.8	93.4	93.4	94.7	95.0	95.2	95.2	95.2	95.5	95.5	95.5	95.8
GE 1000	38.9	65.1	81.2	87.0	93.9	95.5	95.5	97.1	97.4	97.6	97.6	97.6	97.9	97.9	97.9	98.1
GE 900	38.9	65.1	81.2	87.0	93.9	95.5	95.5	97.1	97.4	97.6	97.6	97.6	97.9	97.9	97.9	98.1
GE 800	38.9	65.1	81.2	87.0	93.9	96.6	96.6	98.1	98.4	98.7	98.7	98.7	98.9	98.9	98.9	99.2
GE 700	38.9	65.1	81.2	87.0	93.9	96.6	96.6	98.1	98.4	98.7	98.7	98.7	98.9	98.9	98.9	99.2
GE 600	38.9	65.1	81.2	87.0	93.9	96.6	96.6	98.1	98.4	98.7	98.7	98.7	98.9	98.9	98.9	99.2
GE 500	38.9	65.1	81.2	87.0	93.9	96.6	96.6	98.1	98.4	98.7	98.7	98.7	98.9	98.9	98.9	99.5
GE 400	38.9	65.1	81.2	87.0	93.9	96.6	96.6	98.1	98.4	98.7	98.7	98.7	98.9	98.9	98.9	99.5
GE 300	38.9	65.1	81.2	87.0	93.9	96.6	96.6	98.1	98.4	98.7	98.7	98.7	98.9	99.2	99.2	99.7
GE 200	38.9	65.1	81.2	87.0	93.9	96.6	96.6	98.1	98.4	98.7	98.7	98.7	98.9	99.2	99.2	99.7
GE 100	38.9	65.1	81.2	87.0	93.9	96.6	96.6	98.1	98.4	98.7	98.7	98.7	98.9	99.2	99.2	99.7
GE 000	38.9	65.1	81.2	87.0	93.9	96.6	96.6	98.1	98.4	98.7	98.7	98.7	98.9	99.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 378

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	38.9	60.6	70.0	73.7	78.0	78.3	78.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.6
GE 4500	38.9	60.6	70.0	73.7	78.0	78.3	78.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.6
GE 4000	38.9	60.6	70.0	73.7	78.0	78.3	78.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.6
GE 3500	38.9	60.6	70.0	73.7	78.0	78.3	78.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.6
GE 3000	38.9	60.6	70.0	73.7	78.0	78.3	78.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.6
GE 2500	39.7	61.9	71.8	75.6	80.2	80.4	80.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.8
GE 2000	41.0	64.6	74.8	78.6	83.4	83.6	83.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	85.0
GE 1800	42.1	66.5	77.2	81.0	85.8	86.1	86.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.4
GE 1500	43.4	68.4	80.7	84.7	90.1	90.3	90.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.7
GE 1200	44.5	69.7	83.4	87.7	93.6	94.1	94.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.4
GE 1000	44.8	70.0	84.7	89.0	95.7	96.2	96.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.9
GE 900	44.8	70.0	84.7	89.0	95.7	96.2	96.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.9
GE 800	44.8	70.0	84.7	89.0	96.0	97.1	97.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.9
GE 700	44.8	70.0	84.7	89.0	96.0	97.1	97.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.9
GE 600	44.8	70.0	84.7	89.0	96.0	97.6	97.6	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7
GE 500	44.8	70.0	84.7	89.0	96.0	97.6	97.6	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7
GE 400	44.8	70.0	84.7	89.0	96.2	97.9	97.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
GE 300	44.8	70.0	84.7	89.0	96.2	97.9	97.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
GE 200	44.8	70.0	84.7	89.0	96.2	97.9	97.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
GE 100	44.8	70.0	84.7	89.0	96.2	97.9	97.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0
GE 000	44.8	70.0	84.7	89.0	96.2	97.9	97.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 373

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB HOURS: 15-17

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	36.1	56.3	71.7	74.7	77.9	79.2	79.2	79.8	79.8	79.8	79.8	80.1	80.1	80.1	80.3	80.3
GE 4500	36.1	56.3	71.7	74.7	77.9	79.2	79.2	79.8	79.8	79.8	79.8	80.1	80.1	80.1	80.3	80.3
GE 4000	36.1	56.3	71.7	74.7	77.9	79.2	79.2	79.8	79.8	79.8	79.8	80.1	80.1	80.1	80.3	80.3
GE 3500	36.1	56.3	71.7	74.7	77.9	79.2	79.2	79.8	79.8	79.8	79.8	80.1	80.1	80.1	80.3	80.3
GE 3000	36.1	56.3	71.7	74.7	77.9	79.2	79.2	79.8	79.8	79.8	79.8	80.1	80.1	80.1	80.3	80.3
GE 2500	37.7	58.8	74.4	77.4	80.6	81.9	81.9	82.5	82.5	82.5	82.5	82.7	82.7	82.7	83.0	83.0
GE 2000	39.1	62.0	77.6	80.6	83.8	85.2	85.2	85.7	85.7	85.7	85.7	86.0	86.0	86.0	86.3	86.5
GE 1800	39.1	63.1	79.0	81.9	85.2	86.5	86.5	87.1	87.1	87.1	87.1	87.3	87.3	87.3	87.6	87.9
GE 1500	39.6	63.6	80.3	83.8	87.1	88.4	88.4	88.9	88.9	88.9	88.9	89.2	89.2	89.2	89.5	89.8
GE 1200	40.4	64.7	82.2	86.5	90.3	91.6	91.6	92.5	92.5	92.5	92.5	92.7	92.7	92.7	93.0	93.3
GE 1000	40.4	65.0	83.3	88.1	93.5	95.7	95.7	96.5	96.5	96.5	96.5	96.8	96.8	96.8	97.0	97.3
GE 900	40.4	65.0	83.3	88.1	93.5	96.2	96.2	97.0	97.0	97.0	97.0	97.3	97.3	97.3	97.6	97.8
GE 800	40.4	65.0	83.3	88.1	94.1	97.0	97.0	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.9	99.2
GE 700	40.4	65.0	83.3	88.1	94.1	97.0	97.0	98.4	98.4	98.4	98.4	98.7	98.7	98.7	98.9	99.2
GE 600	40.4	65.0	83.3	88.1	94.1	97.3	97.3	98.7	98.7	98.7	98.7	98.9	98.9	98.9	99.2	99.5
GE 500	40.4	65.0	83.3	88.1	94.3	97.6	97.6	98.9	98.9	98.9	99.2	99.5	99.5	99.5	99.7	100.0
GE 400	40.4	65.0	83.3	88.1	94.3	97.6	97.6	98.9	98.9	98.9	99.2	99.5	99.5	99.5	99.7	100.0
GE 300	40.4	65.0	83.3	88.1	94.3	97.6	97.6	98.9	98.9	98.9	99.2	99.5	99.5	99.5	99.7	100.0
GE 200	40.4	65.0	83.3	88.1	94.3	97.6	97.6	98.9	98.9	98.9	99.2	99.5	99.5	99.5	99.7	100.0
GE 100	40.4	65.0	83.3	88.1	94.3	97.6	97.6	98.9	98.9	98.9	99.2	99.5	99.5	99.5	99.7	100.0
GE 000	40.4	65.0	83.3	88.1	94.3	97.6	97.6	98.9	98.9	98.9	99.2	99.5	99.5	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 371

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	28.7	53.2	63.8	67.8	73.1	75.0	75.0	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 4500	28.7	53.2	63.8	67.8	73.1	75.0	75.0	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 4000	28.7	53.2	63.8	67.8	73.1	75.0	75.0	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 3500	28.7	53.2	63.8	67.8	73.1	75.0	75.0	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 3000	28.7	53.2	63.8	67.8	73.1	75.0	75.0	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GF 2500	29.0	53.7	64.9	68.9	74.5	76.3	76.3	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 2000	31.4	56.9	69.1	73.1	79.0	80.9	80.9	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 1800	31.9	58.0	71.0	75.0	80.9	82.7	82.7	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 1500	32.7	59.0	72.9	77.9	84.0	85.9	85.9	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 1200	33.2	59.8	74.7	80.9	88.3	90.2	90.2	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 1000	33.5	60.4	76.6	83.5	92.0	94.9	94.9	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 900	33.5	60.4	76.6	83.5	92.3	95.5	95.5	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 800	33.5	60.4	76.6	83.5	92.3	96.0	96.0	97.3	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 700	33.5	60.4	76.6	83.5	92.3	96.0	96.0	97.3	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 600	33.5	60.4	76.6	83.5	92.3	96.0	96.0	97.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 500	33.5	60.4	76.9	83.8	92.8	96.5	96.5	98.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 400	33.5	60.4	76.9	83.8	92.8	96.5	96.5	98.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	33.5	60.4	76.9	83.8	92.8	96.5	96.5	98.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	33.5	60.4	76.9	83.8	92.8	96.5	96.5	98.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 100	33.8	60.6	77.1	84.0	93.1	96.8	96.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	33.8	60.6	77.1	84.0	93.1	96.8	96.8	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 376

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB HOURS: 21-23

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE	5000	32.4	59.3	69.4	74.4	79.3	80.9	80.9	80.9	81.8	81.8	81.8	81.8	81.8	81.8	82.1	82.4
GE	4500	32.4	59.3	69.4	74.4	79.3	80.9	80.9	80.9	81.8	81.8	81.8	81.8	81.8	81.8	82.1	82.4
GE	4000	32.4	59.3	69.4	74.4	79.3	80.9	80.9	80.9	81.8	81.8	81.8	81.8	81.8	81.8	82.1	82.4
GE	3500	32.4	59.3	69.4	74.4	79.3	80.9	80.9	80.9	81.8	81.8	81.8	81.8	81.8	81.8	82.1	82.4
GE	3000	32.4	59.3	69.4	74.4	79.3	80.9	80.9	80.9	81.8	81.8	81.8	81.8	81.8	81.8	82.1	82.4
GE	2500	32.7	59.9	70.1	75.0	79.9	81.5	81.5	81.5	82.4	82.4	82.4	82.4	82.4	82.4	82.7	83.0
GE	2000	33.3	61.1	71.3	76.5	81.5	83.0	83.0	83.0	84.0	84.0	84.0	84.0	84.0	84.0	84.3	84.6
GE	1800	33.6	62.0	73.1	78.4	83.3	84.9	84.9	84.9	85.8	85.8	85.8	85.8	85.8	85.8	86.1	86.4
GE	1500	34.0	62.3	74.1	79.9	84.9	86.4	86.4	86.4	87.3	87.3	87.3	87.3	87.3	87.3	87.7	88.0
GE	1200	34.0	62.3	74.7	80.9	86.7	88.3	88.3	88.3	89.2	89.2	89.2	89.2	89.2	89.2	89.5	89.8
GE	1000	34.9	63.3	76.9	84.6	92.3	94.4	94.4	94.8	95.7	95.7	95.7	95.7	95.7	95.7	96.0	96.3
GE	900	34.9	63.3	76.9	84.6	92.3	94.4	94.4	94.8	95.7	95.7	95.7	95.7	95.7	95.7	96.0	96.3
GE	800	34.9	63.3	76.9	84.6	93.2	96.0	96.0	97.2	98.5	98.5	98.5	98.5	98.5	98.5	98.8	99.1
GE	700	34.9	63.3	76.9	84.6	93.2	96.0	96.0	97.2	98.5	98.5	98.5	98.5	98.5	98.5	98.8	99.1
GE	600	34.9	63.3	76.9	84.6	93.2	96.0	96.0	97.2	98.5	98.5	98.5	98.5	98.5	98.5	98.8	99.1
GE	500	34.9	63.3	76.9	84.6	93.2	96.3	96.3	97.5	98.8	98.8	98.8	98.8	98.8	98.8	99.1	99.4
GE	400	34.9	63.3	76.9	84.6	93.2	96.3	96.3	97.5	98.8	98.8	98.8	98.8	98.8	98.8	99.1	99.4
GE	300	34.9	63.3	76.9	84.6	93.2	96.3	96.3	97.8	99.1	99.1	99.1	99.1	99.1	99.1	99.4	99.7
GE	200	34.9	63.3	76.9	84.6	93.2	96.3	96.3	97.8	99.1	99.1	99.1	99.1	99.1	99.1	99.4	99.7
GE	100	34.9	63.3	76.9	84.6	93.2	96.3	96.3	97.8	99.1	99.1	99.1	99.1	99.1	99.1	99.4	99.7
GE	000	34.9	63.3	76.9	84.6	93.2	96.3	96.3	97.8	99.1	99.1	99.1	99.1	99.1	99.1	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 324

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROSTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	32.5	60.2	71.5	75.1	79.7	80.8	80.8	81.4	81.7	81.7	81.8	81.8	81.8	81.9	82.0	82.2
GE 4500	32.5	60.2	71.5	75.1	79.7	80.8	80.8	81.4	81.7	81.7	81.8	81.8	81.8	81.9	82.0	82.2
GE 4000	32.5	60.2	71.5	75.1	79.7	80.8	80.8	81.4	81.7	81.7	81.8	81.8	81.8	81.9	82.0	82.2
GE 3500	32.5	60.2	71.5	75.1	79.7	80.8	80.8	81.4	81.7	81.7	81.8	81.8	81.8	81.9	82.0	82.2
GE 3000	32.5	60.2	71.5	75.1	79.8	80.9	80.9	81.5	81.7	81.8	81.8	81.9	81.9	81.9	82.1	82.2
GE 2500	33.1	61.1	72.6	76.3	81.0	82.1	82.1	82.7	82.9	83.0	83.0	83.1	83.1	83.1	83.3	83.4
GE 2000	34.0	62.9	74.8	78.5	83.4	84.5	84.5	85.1	85.3	85.3	85.4	85.4	85.5	85.5	85.7	85.9
GE 1800	34.5	63.9	76.2	80.0	84.8	85.9	85.9	86.6	86.8	86.8	86.9	86.9	86.9	87.0	87.1	87.3
GE 1500	35.0	64.7	77.7	82.0	87.2	88.3	88.3	89.0	89.2	89.2	89.3	89.3	89.3	89.4	89.5	89.7
GE 1200	35.5	65.4	79.1	83.9	89.6	90.9	90.9	91.6	91.9	91.9	92.0	92.0	92.0	92.1	92.2	92.4
GE 1000	35.7	65.8	80.7	86.2	93.5	95.5	95.5	96.3	96.6	96.6	96.7	96.7	96.8	96.8	96.9	97.1
GE 900	35.7	65.8	80.7	86.2	93.5	95.6	95.6	96.5	96.7	96.8	96.8	96.9	96.9	96.9	97.1	97.3
GE 800	35.7	65.8	80.7	86.2	93.9	96.4	96.4	97.9	98.3	98.3	98.4	98.4	98.5	98.5	98.6	98.8
GE 700	35.7	65.8	80.7	86.2	93.9	96.5	96.5	98.0	98.5	98.5	98.6	98.6	98.6	98.7	98.8	99.0
GE 600	35.7	65.8	80.7	86.2	93.9	96.6	96.6	98.2	98.7	98.8	98.8	98.9	98.9	98.9	99.1	99.3
GE 500	35.7	65.8	80.7	86.2	94.0	96.7	96.7	98.3	98.9	99.0	99.1	99.1	99.1	99.2	99.3	99.6
GE 400	35.7	65.8	80.7	86.2	94.1	96.8	96.8	98.4	99.1	99.1	99.2	99.2	99.3	99.3	99.5	99.7
GE 300	35.7	65.8	80.7	86.2	94.1	96.8	96.8	98.4	99.1	99.1	99.2	99.3	99.3	99.4	99.5	99.8
GE 200	35.7	65.8	80.7	86.2	94.1	96.8	96.8	98.4	99.1	99.1	99.2	99.3	99.3	99.4	99.5	99.8
GE 100	35.8	65.8	80.7	86.3	94.1	96.8	96.8	98.5	99.1	99.2	99.3	99.3	99.4	99.4	99.6	99.8
GE 000	35.8	65.8	80.7	86.3	94.1	96.8	96.8	98.5	99.1	99.2	99.3	99.3	99.4	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 2927

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: 00-02

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	24.3	59.7	68.8	74.1	80.0	81.6	81.6	82.9	84.3	84.3	84.5	84.5	84.5	85.3	85.6	85.9
GE 4500	24.3	59.7	68.8	74.1	80.0	81.6	81.6	82.9	84.3	84.3	84.5	84.5	84.5	85.3	85.6	85.9
GE 4000	24.3	59.7	68.8	74.1	80.0	81.6	81.6	82.9	84.3	84.3	84.5	84.5	84.5	85.3	85.6	85.9
GE 3500	24.3	60.0	69.1	74.4	80.3	81.9	81.9	83.2	84.5	84.5	84.8	84.8	84.8	85.6	85.9	86.1
GE 3000	24.3	60.0	69.3	74.7	80.5	82.1	82.1	83.5	84.8	84.8	85.1	85.1	85.1	85.9	86.1	86.4
GE 2500	24.5	60.3	69.5	74.9	80.8	82.4	82.4	83.7	85.1	85.1	85.3	85.3	85.3	86.1	86.4	86.7
GE 2000	25.3	61.9	71.5	77.1	82.9	84.5	84.5	85.9	87.2	87.2	87.5	87.5	87.5	88.3	88.5	88.8
GE 1800	25.6	62.4	72.0	77.6	83.5	85.1	85.1	86.4	87.7	87.7	88.0	88.0	88.0	88.8	89.1	89.3
GE 1500	25.9	62.7	73.1	78.9	85.3	87.2	87.2	88.5	89.9	89.9	90.1	90.1	90.1	90.9	91.2	91.5
GE 1200	26.1	62.9	73.3	79.5	86.7	88.5	88.5	89.9	91.2	91.2	91.5	91.5	91.5	92.3	92.5	92.8
GE 1000	26.1	62.9	73.3	79.7	87.7	89.9	89.9	92.3	93.9	93.9	94.1	94.1	94.1	94.9	95.2	95.5
GE 900	26.1	62.9	73.3	79.7	88.0	90.4	90.4	92.8	94.4	94.4	94.7	94.7	94.7	95.5	95.7	96.0
GE 800	26.1	63.5	73.9	80.3	89.1	91.7	91.7	94.4	96.3	96.5	96.8	96.8	96.8	97.6	97.9	98.1
GE 700	26.1	63.5	73.9	80.3	89.1	91.7	91.7	94.4	96.3	96.5	96.8	96.8	96.8	97.6	97.9	98.1
GE 600	26.1	63.5	73.9	80.3	89.1	91.7	91.7	94.4	96.3	96.5	96.8	96.8	96.8	97.6	97.9	98.1
GE 500	26.1	63.5	73.9	80.3	89.1	91.7	91.7	94.7	96.5	96.8	97.1	97.1	97.1	97.9	98.4	98.7
GE 400	26.1	63.5	73.9	80.3	89.3	92.0	92.0	94.9	96.8	97.1	97.3	97.3	97.3	98.1	98.7	98.9
GE 300	26.1	63.5	73.9	80.3	89.3	92.0	92.0	94.9	96.8	97.1	97.3	97.3	97.3	98.1	98.7	98.9
GE 200	26.1	63.5	73.9	80.3	89.3	92.0	92.0	94.9	96.8	97.1	97.3	97.3	97.3	98.1	98.7	99.7
GE 100	26.1	63.5	73.9	80.3	89.3	92.0	92.0	94.9	96.8	97.1	97.3	97.3	97.3	98.1	98.7	99.7
GE 000	26.1	63.5	73.9	80.3	89.3	92.0	92.0	94.9	96.8	97.1	97.3	97.3	97.3	98.1	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 375

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	22.4	62.3	72.2	75.6	81.6	82.7	82.7	83.4	84.5	84.5	85.0	85.0	85.0	85.0	85.4	85.7
GE 4500	22.4	62.3	72.2	75.6	81.6	82.7	82.7	83.4	84.5	84.5	85.0	85.0	85.0	85.0	85.4	85.7
GE 4000	22.4	62.6	72.4	75.8	81.8	83.0	83.0	83.6	84.8	84.8	85.2	85.2	85.2	85.2	85.7	85.9
GE 3500	22.4	62.6	72.4	75.8	81.8	83.0	83.0	83.6	84.8	84.8	85.2	85.2	85.2	85.2	85.7	85.9
GE 3000	22.4	62.8	72.6	76.0	82.1	83.2	83.2	83.9	85.0	85.0	85.4	85.4	85.4	85.4	85.9	86.1
GE 2500	22.4	62.8	72.9	76.2	82.5	83.6	83.6	84.3	85.4	85.4	85.9	85.9	85.9	85.9	86.3	86.5
GE 2000	23.1	63.0	74.0	77.4	83.6	84.8	84.8	85.4	86.5	86.5	87.0	87.0	87.0	87.0	87.4	87.7
GE 1800	23.3	64.3	74.9	78.3	84.8	85.9	85.9	86.5	87.7	87.7	88.1	88.1	88.1	88.1	88.6	88.8
GE 1500	23.5	65.0	76.0	79.4	86.1	87.2	87.2	87.9	89.0	89.0	89.5	89.5	89.5	89.5	89.9	90.1
GE 1200	23.5	65.2	76.9	80.5	87.7	88.8	88.8	89.5	90.6	90.6	91.0	91.0	91.0	91.0	91.5	91.7
GE 1000	23.5	65.2	76.9	81.2	89.0	91.0	91.0	92.2	93.5	93.5	93.9	93.9	93.9	93.9	94.4	94.6
GE 900	23.5	65.2	76.9	81.2	89.2	91.3	91.3	92.4	93.7	93.7	94.2	94.2	94.2	94.2	94.6	94.8
GE 800	23.5	65.2	77.1	81.4	90.4	92.4	92.4	94.2	95.5	95.5	96.0	96.0	96.0	96.0	96.6	97.1
GE 700	23.5	65.2	77.1	81.4	90.4	92.4	92.4	94.2	95.7	95.7	96.2	96.2	96.2	96.2	96.9	97.3
GE 600	23.5	65.2	77.1	81.4	90.6	92.8	92.8	94.6	96.2	96.2	96.6	96.6	96.6	96.6	97.3	97.8
GE 500	23.5	65.2	77.1	81.4	90.8	93.0	93.0	94.8	96.4	96.4	96.9	96.9	97.1	97.1	97.8	98.4
GE 400	23.5	65.2	77.1	81.4	90.8	93.0	93.0	94.8	96.4	96.4	96.9	96.9	97.1	97.1	97.8	98.4
GE 300	23.5	65.2	77.1	81.4	90.8	93.0	93.0	94.8	96.4	96.4	97.1	97.1	97.3	97.3	98.0	98.7
GE 200	23.5	65.2	77.1	81.4	90.8	93.0	93.0	94.8	96.4	96.4	97.1	97.1	97.3	97.3	98.0	99.3
GE 100	23.5	65.2	77.1	81.4	90.8	93.0	93.0	94.8	96.4	96.4	97.1	97.1	97.3	97.3	98.0	99.3
GE 000	23.5	65.2	77.1	81.4	90.8	93.0	93.0	94.8	96.4	96.4	97.1	97.1	97.3	97.5	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 446



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: 06-08

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	26.9	61.4	70.9	74.6	79.7	82.1	82.1	83.0	84.5	84.8	84.8	84.8	84.8	84.8	85.2	86.3
GE 4500	26.9	61.4	70.9	74.6	79.7	82.1	82.1	83.0	84.5	84.8	84.8	84.8	84.8	84.8	85.2	86.3
GE 4000	26.9	61.4	70.9	74.6	79.7	82.1	82.1	83.0	84.5	84.8	84.8	84.8	84.8	84.8	85.2	86.3
GE 3500	26.9	61.4	70.9	74.6	79.7	82.1	82.1	83.0	84.5	84.8	84.8	84.8	84.8	84.8	85.2	86.3
GE 3000	27.4	61.8	71.3	75.1	80.1	82.6	82.6	83.4	85.0	85.2	85.2	85.2	85.2	85.2	85.7	86.8
GE 2500	27.8	62.3	71.7	75.5	80.6	83.0	83.0	83.9	85.4	85.7	85.7	85.7	85.7	85.7	86.1	87.2
GE 2000	27.8	62.9	73.1	76.8	81.9	84.3	84.3	85.2	86.8	87.0	87.0	87.0	87.0	87.0	87.4	88.5
GE 1800	28.0	63.1	73.3	77.0	82.1	84.5	84.5	85.4	87.0	87.2	87.2	87.2	87.2	87.2	87.6	88.7
GE 1500	29.4	64.9	75.5	79.7	85.0	87.4	87.4	88.3	89.8	90.1	90.1	90.1	90.1	90.1	90.5	91.6
GE 1200	29.4	64.9	75.7	80.1	86.3	88.7	88.7	89.6	91.2	91.4	91.4	91.4	91.4	91.4	91.8	92.9
GE 1000	29.6	65.1	75.9	80.8	88.3	91.8	91.8	93.2	94.7	94.9	94.9	94.9	94.9	94.9	95.4	96.5
GE 900	29.6	65.1	75.9	80.8	88.3	91.8	91.8	93.2	94.7	94.9	94.9	94.9	94.9	94.9	95.4	96.5
GE 800	29.6	65.1	75.9	80.8	89.2	93.2	93.2	94.7	96.2	96.5	96.7	96.7	96.7	96.7	97.1	98.2
GE 700	29.6	65.1	75.9	80.8	89.2	93.4	93.4	94.9	96.7	96.9	97.1	97.1	97.1	97.1	97.6	98.7
GE 600	29.6	65.1	75.9	80.8	89.4	93.6	93.6	95.1	96.9	97.1	97.6	97.6	97.6	97.6	98.0	99.1
GE 500	29.6	65.1	75.9	80.8	89.4	93.6	93.6	95.1	96.9	97.1	97.6	97.6	97.6	97.6	98.0	99.1
GE 400	29.6	65.1	75.9	80.8	89.4	93.6	93.6	95.1	96.9	97.1	97.6	97.6	97.6	97.6	98.0	99.1
GE 300	29.6	65.1	75.9	80.8	89.4	93.6	93.6	95.1	96.9	97.1	97.6	97.6	97.6	97.6	98.0	99.1
GE 200	29.6	65.1	75.9	80.8	89.4	93.6	93.6	95.1	96.9	97.1	97.6	97.6	97.6	97.6	98.0	99.3
GE 100	29.6	65.1	75.9	80.8	89.4	93.6	93.6	95.1	96.9	97.1	97.6	97.6	97.6	97.6	98.0	99.3
GE 000	29.6	65.1	75.9	80.8	89.4	93.6	93.6	95.1	96.9	97.1	97.6	97.6	97.6	97.6	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 453

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: 09-11

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE 5000		35.3	63.4	73.8	75.8	80.9	82.3	82.3	83.4	83.8	83.8	84.3	84.5	84.5	84.5	84.7	84.7
GE 4500		35.3	63.4	73.8	75.8	80.9	82.3	82.3	83.4	83.8	83.8	84.3	84.5	84.5	84.5	84.7	84.7
GE 4000		35.3	63.4	73.8	75.8	80.9	82.3	82.3	83.4	83.8	83.8	84.3	84.5	84.5	84.5	84.7	84.7
GE 3500		35.3	63.4	73.8	75.8	80.9	82.3	82.3	83.4	83.8	83.8	84.3	84.5	84.5	84.5	84.7	84.7
GE 3000		35.9	64.1	74.7	76.7	81.8	83.1	83.1	84.3	84.7	84.7	85.1	85.4	85.4	85.4	85.6	85.6
GE 2500		36.4	64.5	75.2	77.2	82.3	83.6	83.6	84.7	85.1	85.1	85.6	85.8	85.8	85.8	86.0	86.0
GE 2000		37.5	66.1	77.2	79.4	84.5	86.0	86.0	87.1	87.6	87.6	88.0	88.2	88.2	88.2	88.5	88.5
GE 1800		37.9	66.5	78.0	80.3	85.6	87.1	87.1	88.2	88.7	88.7	89.1	89.4	89.4	89.4	89.6	89.6
GE 1500		38.1	67.0	79.4	81.8	87.8	89.8	89.8	90.9	91.4	91.4	91.8	92.0	92.0	92.0	92.2	92.2
GE 1200		38.4	67.2	80.3	83.1	89.1	91.8	91.8	92.9	93.3	93.3	93.8	94.0	94.0	94.0	94.2	94.2
GE 1000		38.6	67.4	80.5	83.4	90.2	94.2	94.2	95.8	96.2	96.2	96.7	96.9	96.9	96.9	97.1	97.1
GE 900		38.6	67.4	80.5	83.6	90.5	94.5	94.5	96.2	96.7	96.7	97.1	97.3	97.3	97.3	97.6	97.6
GE 800		38.6	67.4	80.5	83.6	90.7	95.1	95.1	97.8	98.4	98.4	98.9	99.1	99.1	99.1	99.3	99.3
GE 700		38.6	67.4	80.5	83.6	90.7	95.1	95.1	97.8	98.4	98.4	98.9	99.1	99.1	99.1	99.3	99.3
GE 600		38.6	67.4	80.5	83.6	91.1	95.6	95.6	98.2	98.9	98.9	99.3	99.6	99.6	99.6	99.8	99.8
GE 500		38.6	67.4	80.5	83.6	91.1	95.8	95.8	98.4	99.1	99.1	99.6	99.8	99.8	99.8	100.0	100.0
GE 400		38.6	67.4	80.5	83.6	91.1	95.8	95.8	98.4	99.1	99.1	99.6	99.8	99.8	99.8	100.0	100.0
GE 300		38.6	67.4	80.5	83.6	91.1	95.8	95.8	98.4	99.1	99.1	99.6	99.8	99.8	99.8	100.0	100.0
GE 200		38.6	67.4	80.5	83.6	91.1	95.8	95.8	98.4	99.1	99.1	99.6	99.8	99.8	99.8	100.0	100.0
GE 100		38.6	67.4	80.5	83.6	91.1	95.8	95.8	98.4	99.1	99.1	99.6	99.8	99.8	99.8	100.0	100.0
GE 000		38.6	67.4	80.5	83.6	91.1	95.8	95.8	98.4	99.1	99.1	99.6	99.8	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 451

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONA ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	34.1	55.6	64.8	68.2	72.6	73.3	73.3	73.8	73.8	73.8	73.8	73.8	73.8	74.0	74.0	74.0
GE 4500	34.1	55.6	64.8	68.2	72.6	73.3	73.3	73.8	73.8	73.8	73.8	73.8	73.8	74.0	74.0	74.0
GE 4000	34.3	55.8	65.0	68.4	72.9	73.5	73.5	74.0	74.0	74.0	74.0	74.0	74.0	74.2	74.2	74.2
GE 3500	34.3	55.8	65.0	68.4	72.9	73.5	73.5	74.0	74.0	74.0	74.0	74.0	74.0	74.2	74.2	74.2
GE 3000	35.2	56.7	65.9	69.3	73.8	74.4	74.4	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.1	75.1
GE 2500	35.9	57.4	66.6	70.0	74.4	75.1	75.1	75.6	75.6	75.6	75.6	75.6	75.6	75.8	75.8	75.8
GE 2000	38.1	60.3	69.7	73.1	77.6	78.3	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.9	78.9	78.9
GE 1800	41.3	63.9	73.8	77.6	82.1	82.7	82.7	83.2	83.2	83.2	83.2	83.2	83.2	83.4	83.4	83.4
GE 1500	42.4	65.5	76.9	83.4	89.2	90.1	90.1	90.6	90.6	90.6	90.6	90.6	90.6	90.8	90.8	90.8
GE 1200	42.6	65.9	77.8	84.8	91.3	92.2	92.2	93.0	93.0	93.0	93.0	93.0	93.0	93.3	93.3	93.3
GE 1000	42.8	66.1	78.7	86.1	93.7	95.1	95.1	96.4	96.9	96.9	96.9	96.9	96.9	97.1	97.1	97.1
GE 900	42.8	66.1	78.7	86.1	93.7	95.3	95.3	96.6	97.1	97.1	97.1	97.1	97.1	97.3	97.3	97.3
GE 800	42.8	66.1	78.7	86.5	94.2	96.4	96.4	98.4	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3
GE 700	42.8	66.1	78.7	86.8	94.4	96.6	96.6	98.9	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8
GE 600	42.8	66.1	78.7	86.8	94.4	96.6	96.6	98.9	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8
GE 500	42.8	66.1	78.7	86.8	94.4	96.6	96.6	98.9	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8
GE 400	43.0	66.4	78.9	87.0	94.6	96.9	96.9	99.1	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0
GE 300	43.0	66.4	78.9	87.0	94.6	96.9	96.9	99.1	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0
GE 200	43.0	66.4	78.9	87.0	94.6	96.9	96.9	99.1	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0
GE 100	43.0	66.4	78.9	87.0	94.6	96.9	96.9	99.1	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0
GE 000	43.0	66.4	78.9	87.0	94.6	96.9	96.9	99.1	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 446

OPERATING LOCATION "A"  
USAFETAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROSTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: 15-17

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE 5000		27.8	49.7	63.4	68.8	73.4	74.5	74.5	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 4500		27.8	49.7	63.4	68.8	73.4	74.5	74.5	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 4000		27.8	49.7	63.4	68.8	73.4	74.5	74.5	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 3500		27.8	49.7	63.4	68.8	73.4	74.5	74.5	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 3000		28.0	50.1	64.1	69.5	74.0	75.2	75.2	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 2500		29.3	51.5	65.5	70.9	75.4	76.5	76.5	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 2000		30.2	54.6	69.5	74.9	79.9	81.0	81.0	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 1800		31.2	56.7	71.6	77.4	82.6	83.7	83.7	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 1500		33.4	59.6	74.9	80.8	86.7	88.0	88.0	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 1200		33.9	60.0	75.8	82.2	89.6	91.2	91.2	91.9	92.1	92.1	92.3	92.3	92.3	92.3	92.3	92.3
GE 1000		34.5	60.9	77.0	84.0	92.1	94.4	94.4	95.5	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9
GE 900		34.5	60.9	77.0	84.0	92.1	94.4	94.4	95.7	95.9	95.9	96.2	96.2	96.2	96.2	96.2	96.2
GE 800		34.5	60.9	77.2	84.2	93.0	95.3	95.3	96.8	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7
GE 700		34.5	60.9	77.2	84.2	93.0	95.3	95.3	97.5	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4
GE 600		34.5	60.9	77.2	84.7	94.1	96.4	96.4	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 500		34.5	60.9	77.2	84.7	94.1	96.4	96.4	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		34.5	60.9	77.2	84.7	94.1	96.4	96.4	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		34.5	60.9	77.2	84.7	94.1	96.4	96.4	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		34.5	60.9	77.2	84.7	94.1	96.4	96.4	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		34.5	60.9	77.2	84.7	94.1	96.4	96.4	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 000		34.5	60.9	77.2	84.7	94.1	96.4	96.4	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 443

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	23.0	49.2	61.9	67.3	74.7	76.1	76.1	77.3	78.0	78.0	78.4	78.4	78.4	78.4	78.4	78.4
GE 4500	23.0	49.2	61.9	67.3	74.7	76.1	76.1	77.3	78.0	78.0	78.4	78.4	78.4	78.4	78.4	78.4
GE 4000	23.0	49.2	61.9	67.3	74.7	76.1	76.1	77.3	78.0	78.0	78.4	78.4	78.4	78.4	78.4	78.4
GE 3500	23.0	49.2	61.9	67.3	74.7	76.1	76.1	77.3	78.0	78.0	78.4	78.4	78.4	78.4	78.4	78.4
GE 3000	23.2	49.4	62.2	67.5	74.9	76.3	76.3	77.5	78.2	78.2	78.7	78.7	78.7	78.7	78.7	78.7
GE 2500	23.9	50.6	63.3	68.9	76.3	77.7	77.7	78.9	79.6	79.6	80.0	80.0	80.0	80.0	80.0	80.0
GE 2000	24.4	51.5	65.0	70.8	78.4	79.8	79.8	81.0	81.7	81.7	82.1	82.1	82.1	82.1	82.1	82.1
GE 1800	24.4	52.2	66.1	71.9	79.8	81.2	81.2	82.4	83.1	83.1	83.5	83.5	83.5	83.5	83.5	83.5
GE 1500	25.5	54.1	69.4	75.6	83.8	85.4	85.4	86.8	87.5	87.5	87.9	87.9	87.9	87.9	87.9	87.9
GE 1200	25.5	54.5	70.1	76.8	86.3	88.4	88.4	90.3	91.0	91.2	91.6	91.6	91.6	91.6	91.6	91.6
GE 1000	25.5	54.5	70.1	77.7	88.6	91.2	91.2	93.7	94.9	95.1	95.6	95.6	95.6	95.6	95.6	95.6
GE 900	25.5	54.5	70.1	77.7	88.9	91.4	91.4	94.0	95.1	95.4	95.8	95.8	95.8	95.8	95.8	95.8
GE 800	25.5	54.5	70.3	78.2	90.5	93.3	93.3	95.8	97.7	97.9	98.4	98.4	98.4	98.4	98.4	98.4
GE 700	25.5	54.5	70.3	78.2	90.7	93.5	93.5	96.1	97.9	98.1	98.6	98.6	98.6	98.6	98.6	98.6
GE 600	25.5	54.5	70.3	78.2	91.0	94.0	94.0	97.0	98.8	99.1	99.5	99.5	99.5	99.5	99.5	99.5
GE 500	25.5	54.5	70.3	78.2	91.0	94.0	94.0	97.2	99.1	99.3	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	25.5	54.5	70.3	78.2	91.0	94.0	94.0	97.2	99.1	99.3	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	25.5	54.5	70.3	78.2	91.0	94.0	94.0	97.2	99.1	99.3	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	25.5	54.5	70.3	78.2	91.0	94.0	94.0	97.2	99.1	99.3	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	25.5	54.5	70.3	78.2	91.0	94.0	94.0	97.2	99.1	99.3	99.8	99.8	99.8	99.8	99.8	99.8
GE 000	25.5	54.5	70.3	78.2	91.0	94.0	94.0	97.2	99.1	99.3	99.8	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 431

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	25.9	56.1	65.0	71.9	77.5	78.9	78.9	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	81.6
GE 4500	25.9	56.1	65.0	71.9	77.5	78.9	78.9	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	81.6
GE 4000	25.9	56.1	65.0	71.9	77.5	78.9	78.9	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	81.6
GE 3500	25.9	56.1	65.0	71.9	77.5	78.9	78.9	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	81.6
GE 3000	25.9	56.1	65.2	72.2	77.8	79.1	79.1	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.8
GE 2500	26.5	56.7	66.0	73.0	78.6	79.9	79.9	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	82.6
GE 2000	26.7	57.8	67.1	74.1	79.7	81.0	81.0	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.7
GE 1800	26.7	58.0	67.9	75.1	80.7	82.1	82.1	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.8
GE 1500	27.8	59.6	70.9	78.6	84.5	86.1	86.1	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.8
GE 1200	28.1	60.2	71.7	79.9	86.6	89.0	89.0	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2	92.0
GE 1000	28.1	60.2	71.9	80.5	87.7	90.1	90.1	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	93.3
GE 900	28.1	60.2	71.9	80.5	87.7	90.1	90.1	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	93.3
GE 800	28.1	60.2	72.2	81.0	88.2	91.4	91.4	94.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.8
GE 700	28.1	60.2	72.2	81.0	88.5	92.2	92.2	95.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.9
GE 600	28.1	60.2	72.2	81.0	88.5	92.2	92.2	95.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.9
GE 500	28.1	60.2	72.2	81.0	88.8	92.5	92.5	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	98.4
GE 400	28.1	60.2	72.2	81.0	88.8	93.0	93.0	96.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	99.5
GE 300	28.1	60.2	72.2	81.0	88.8	93.0	93.0	96.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	99.5
GE 200	28.1	60.2	72.2	81.0	88.8	93.0	93.0	96.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	99.5
GE 100	28.1	60.2	72.2	81.0	88.8	93.0	93.0	96.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	99.5
GE 000	28.1	60.4	72.5	81.3	89.0	93.3	93.3	96.8	98.4	98.4	98.4	98.4	98.4	98.4	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 374

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	27.6	57.2	67.7	72.0	77.5	78.9	78.9	79.8	80.5	80.6	80.8	80.8	80.8	80.9	81.1	81.4
GE 4500	27.6	57.2	67.7	72.0	77.5	78.9	78.9	79.8	80.5	80.6	80.8	80.8	80.8	80.9	81.1	81.4
GE 4000	27.6	57.3	67.7	72.1	77.6	79.0	79.0	79.9	80.6	80.6	80.8	80.9	80.9	81.0	81.2	81.5
GE 3500	27.6	57.3	67.8	72.1	77.6	79.0	79.0	79.9	80.6	80.7	80.9	80.9	80.9	81.0	81.2	81.5
GE 3000	27.9	57.7	68.3	72.6	78.1	79.5	79.5	80.4	81.1	81.2	81.4	81.4	81.4	81.5	81.7	82.0
GE 2500	28.5	58.3	68.9	73.3	78.9	80.2	80.2	81.2	81.9	81.9	82.1	82.1	82.1	82.2	82.4	82.7
GE 2000	29.3	59.9	71.0	75.5	81.1	82.5	82.5	83.4	84.1	84.1	84.4	84.4	84.4	84.5	84.7	85.0
GE 1800	30.0	61.0	72.3	77.0	82.7	84.1	84.1	85.0	85.7	85.8	86.0	86.0	86.0	86.1	86.3	86.6
GE 1500	30.9	62.4	74.6	79.8	86.1	87.7	87.7	88.7	89.4	89.4	89.6	89.7	89.7	89.8	90.0	90.3
GE 1200	31.1	62.7	75.3	80.9	88.0	89.9	89.9	91.0	91.7	91.8	92.0	92.0	92.0	92.2	92.3	92.6
GE 1000	31.3	62.9	75.7	81.7	89.8	92.3	92.3	94.0	94.9	94.9	95.1	95.2	95.2	95.3	95.5	95.8
GE 900	31.3	62.9	75.7	81.8	89.9	92.5	92.5	94.2	95.1	95.1	95.4	95.4	95.4	95.5	95.7	96.0
GE 800	31.3	63.0	75.9	82.1	90.7	93.7	93.7	95.9	97.1	97.2	97.5	97.5	97.5	97.6	97.8	98.2
GE 700	31.3	63.0	75.9	82.1	90.8	93.9	93.9	96.2	97.5	97.6	97.9	97.9	97.9	98.0	98.2	98.5
GE 600	31.3	63.0	75.9	82.2	91.1	94.2	94.2	96.7	98.0	98.1	98.4	98.4	98.4	98.5	98.7	99.0
GE 500	31.3	63.0	75.9	82.2	91.2	94.3	94.3	96.8	98.1	98.2	98.5	98.5	98.6	98.7	98.9	99.3
GE 400	31.3	63.0	75.9	82.2	91.2	94.4	94.4	97.0	98.3	98.4	98.7	98.7	98.7	98.8	99.1	99.5
GE 300	31.3	63.0	75.9	82.2	91.2	94.4	94.4	97.0	98.3	98.4	98.7	98.7	98.7	98.9	99.1	99.5
GE 200	31.3	63.0	75.9	82.2	91.2	94.4	94.4	97.0	98.3	98.4	98.7	98.7	98.7	98.9	99.1	99.7
GE 100	31.3	63.0	75.9	82.2	91.2	94.4	94.4	97.0	98.3	98.4	98.7	98.7	98.7	98.9	99.1	99.7
GE 000	31.3	63.0	75.9	82.2	91.3	94.4	94.4	97.0	98.3	98.4	98.7	98.7	98.8	98.9	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 3419

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR HOURS: 00-02

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	23.2	58.4	70.3	76.2	82.2	84.9	84.9	87.0	87.6	87.6	88.1	88.1	88.1	88.1	88.1	88.9
GE 4500	23.2	58.4	70.3	76.2	82.2	84.9	84.9	87.0	87.6	87.6	88.1	88.1	88.1	88.1	88.1	88.9
GE 4000	23.2	58.4	70.3	76.2	82.2	84.9	84.9	87.0	87.6	87.6	88.1	88.1	88.1	88.1	88.1	88.9
GE 3500	23.2	58.4	70.3	76.2	82.2	84.9	84.9	87.0	87.6	87.6	88.1	88.1	88.1	88.1	88.1	88.9
GE 3000	23.2	58.4	70.3	76.2	82.2	84.9	84.9	87.0	87.6	87.6	88.1	88.1	88.1	88.1	88.1	88.9
GE 2500	23.2	58.6	70.5	76.8	83.0	85.7	85.7	87.8	88.4	88.4	88.9	88.9	88.9	88.9	88.9	89.7
GE 2000	23.2	58.9	71.1	77.6	84.3	87.0	87.0	89.2	89.7	89.7	90.3	90.3	90.3	90.3	90.3	91.1
GE 1800	23.5	59.7	71.9	78.4	85.4	88.1	88.1	90.3	90.8	90.8	91.4	91.4	91.4	91.4	91.4	92.2
GE 1500	23.8	60.0	72.7	79.2	86.2	88.9	88.9	91.4	91.9	91.9	92.4	92.4	92.4	92.4	92.4	93.2
GE 1200	23.8	60.0	72.7	79.7	87.0	90.0	90.0	92.4	93.0	93.0	93.5	93.5	93.5	93.5	93.5	94.3
GE 1000	23.8	60.0	72.7	80.5	88.1	91.6	91.6	95.1	95.9	95.9	96.5	96.5	96.5	96.5	96.5	97.3
GE 900	23.8	60.0	72.7	80.5	88.1	91.6	91.6	95.1	95.9	95.9	96.5	96.5	96.5	96.5	96.5	97.3
GE 800	23.8	60.0	72.7	80.5	88.4	92.4	92.4	95.9	97.0	97.0	97.6	97.6	97.6	97.6	97.6	98.4
GE 700	23.8	60.0	72.7	80.5	88.4	92.7	92.7	96.2	97.3	97.3	97.8	97.8	97.8	97.8	97.8	98.6
GE 600	23.8	60.0	72.7	80.5	88.4	92.7	92.7	96.2	97.6	97.6	98.1	98.1	98.1	98.1	98.1	98.9
GE 500	23.8	60.0	72.7	80.5	88.4	92.7	92.7	96.2	97.6	97.6	98.1	98.1	98.1	98.1	98.1	98.9
GE 400	23.8	60.0	72.7	80.5	88.4	92.7	92.7	96.2	97.6	97.6	98.1	98.1	98.1	98.1	98.1	99.5
GE 300	23.8	60.0	72.7	80.5	88.4	92.7	92.7	96.2	97.6	97.6	98.1	98.1	98.1	98.1	98.1	99.7
GE 200	23.8	60.0	72.7	80.5	88.4	92.7	92.7	96.2	97.6	97.6	98.1	98.1	98.1	98.1	98.1	99.7
GE 100	23.8	60.0	72.7	80.5	88.6	93.0	93.0	96.5	97.8	97.8	98.4	98.4	98.4	98.4	98.4	100.0
GE 000	23.8	60.0	72.7	80.5	88.6	93.0	93.0	96.5	97.8	97.8	98.4	98.4	98.4	98.4	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 370



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROSTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR HOURS: 03-05

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	23.1	57.9	68.6	73.6	81.2	83.8	83.8	86.0	87.1	87.3	87.6	87.6	87.6	88.0	88.2	90.2
GE 4500	23.1	57.9	68.6	73.6	81.2	83.8	83.8	86.0	87.1	87.3	87.6	87.6	87.6	88.0	88.2	90.2
GE 4000	23.1	57.9	68.6	73.6	81.2	83.8	83.8	86.0	87.1	87.3	87.6	87.6	87.6	88.0	88.2	90.2
GE 3500	23.1	57.9	68.6	73.6	81.2	83.8	83.8	86.0	87.1	87.3	87.6	87.6	87.6	88.0	88.2	90.2
GE 3000	23.1	57.9	68.6	73.6	81.2	83.8	83.8	86.0	87.1	87.3	87.6	87.6	87.6	88.0	88.2	90.2
GE 2500	23.1	57.9	68.6	73.6	81.2	83.8	83.8	86.0	87.1	87.3	87.6	87.6	87.6	88.0	88.2	90.2
GE 2000	23.1	58.3	69.2	74.9	82.8	85.6	85.6	87.8	88.9	89.1	89.3	89.3	89.3	89.7	90.0	91.9
GE 1800	23.1	58.3	69.7	75.3	83.4	86.2	86.2	88.4	89.5	89.7	90.0	90.0	90.0	90.4	90.6	92.6
GE 1500	23.1	58.7	70.5	76.6	84.9	88.0	88.0	90.2	91.3	91.5	91.7	91.7	91.7	92.1	92.4	94.3
GE 1200	23.1	58.7	70.5	76.9	85.2	88.2	88.2	90.4	91.7	91.9	92.1	92.1	92.1	92.6	92.8	94.8
GE 1000	23.1	58.7	70.7	77.1	85.6	88.6	88.6	91.5	92.8	93.0	93.2	93.2	93.2	93.7	94.1	96.1
GE 900	23.1	58.7	70.7	77.5	86.2	89.3	89.3	92.1	93.7	93.9	94.1	94.1	94.1	94.5	95.0	96.9
GE 800	23.1	58.7	70.7	77.5	86.2	89.7	89.7	93.0	94.8	95.0	95.2	95.2	95.2	95.6	96.3	98.3
GE 700	23.1	58.7	70.7	77.5	86.2	89.7	89.7	93.2	95.0	95.2	95.4	95.4	95.4	95.9	96.5	98.7
GE 600	23.1	58.7	70.7	77.5	86.2	89.7	89.7	93.2	95.0	95.2	95.6	95.6	95.6	96.1	96.7	98.9
GE 500	23.1	58.7	70.7	77.5	86.2	89.7	89.7	93.2	95.0	95.2	95.9	95.9	95.9	96.5	97.2	99.3
GE 400	23.1	58.7	70.7	77.5	86.2	89.7	89.7	93.2	95.0	95.2	95.9	95.9	95.9	96.5	97.2	99.3
GE 300	23.1	58.7	70.7	77.5	86.2	89.7	89.7	93.2	95.0	95.2	95.9	95.9	95.9	96.5	97.2	99.3
GE 200	23.1	58.7	70.7	77.5	86.2	89.7	89.7	93.2	95.0	95.2	95.9	95.9	95.9	96.5	97.2	99.6
GE 100	23.1	58.7	70.7	77.5	86.2	89.7	89.7	93.2	95.0	95.2	95.9	95.9	95.9	96.5	97.2	99.6
GE 000	23.4	59.0	71.0	77.7	86.5	90.0	90.0	93.4	95.2	95.4	96.1	96.1	96.1	96.7	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 458

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR HOURS: 06-08

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 70	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	29.2	58.5	67.8	73.7	78.4	80.8	80.8	82.5	84.4	84.9	85.1	85.1	85.1	85.1	85.1	86.8
GE 4500	29.2	58.5	67.8	73.7	78.4	80.8	80.8	82.5	84.4	84.9	85.1	85.1	85.1	85.1	85.1	86.8
GE 4000	29.2	58.5	67.8	73.7	78.4	80.8	80.8	82.5	84.4	84.9	85.1	85.1	85.1	85.1	85.1	86.8
GE 3500	29.2	58.5	67.8	73.7	78.4	80.8	80.8	82.5	84.4	84.9	85.1	85.1	85.1	85.1	85.1	86.8
GE 3000	29.4	58.7	68.3	74.1	78.8	81.2	81.2	82.9	84.9	85.3	85.5	85.5	85.5	85.5	85.5	87.3
GE 2500	30.0	59.4	68.9	74.7	79.5	81.9	81.9	83.6	85.5	86.0	86.2	86.2	86.2	86.2	86.2	87.9
GE 2000	30.7	60.5	70.2	76.5	81.2	83.6	83.6	85.5	87.5	87.9	88.1	88.1	88.1	88.1	88.1	89.8
GE 1800	30.7	60.7	70.4	77.1	81.9	84.2	84.2	86.2	88.1	88.6	88.8	88.8	88.8	88.8	88.8	90.5
GE 1500	30.9	60.9	71.3	78.0	82.9	85.3	85.3	87.5	89.6	90.1	90.3	90.3	90.3	90.3	90.3	92.0
GE 1200	30.9	61.1	71.7	78.6	83.8	86.2	86.2	88.8	91.1	91.6	91.8	91.8	91.8	91.8	91.8	93.5
GE 1000	30.9	61.1	71.9	78.8	84.7	87.5	87.5	90.5	94.0	94.4	94.6	94.6	94.6	94.6	94.6	96.3
GE 900	30.9	61.1	72.6	79.5	85.3	88.3	88.3	91.4	94.8	95.2	95.5	95.5	95.5	95.5	95.5	97.2
GE 800	30.9	61.1	72.6	79.5	85.5	88.8	88.8	91.8	95.2	95.7	96.1	96.1	96.1	96.1	96.1	97.8
GE 700	30.9	61.1	72.6	79.5	85.5	88.8	88.8	91.8	95.2	95.7	96.3	96.3	96.3	96.3	96.3	98.1
GE 600	30.9	61.1	72.6	79.5	85.5	88.8	88.8	91.8	95.5	95.9	96.5	96.5	96.8	96.8	96.8	98.5
GE 500	30.9	61.1	72.6	79.5	85.5	88.8	88.8	91.8	95.9	96.3	97.0	97.0	97.2	97.2	97.4	99.4
GE 400	30.9	61.1	72.6	79.5	85.5	88.8	88.8	91.8	95.9	96.3	97.0	97.0	97.2	97.2	97.4	99.6
GE 300	30.9	61.1	72.6	79.5	85.5	88.8	88.8	91.8	95.9	96.3	97.0	97.0	97.2	97.2	97.4	99.6
GE 200	30.9	61.1	72.6	79.5	85.5	88.8	88.8	91.8	95.9	96.3	97.0	97.0	97.2	97.2	97.4	99.8
GE 100	30.9	61.1	72.6	79.5	85.5	88.8	88.8	91.8	95.9	96.3	97.0	97.0	97.2	97.2	97.4	100.0
GE 000	30.9	61.1	72.6	79.5	85.5	88.8	88.8	91.8	95.9	96.3	97.0	97.0	97.2	97.2	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 463

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR HOURS: 09-11

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	38.9	63.3	73.7	78.2	82.3	82.9	83.2	84.2	84.4	84.7	84.9	84.9	84.9	84.9	84.9	84.9
GE 4500	38.9	63.3	73.7	78.2	82.3	82.9	83.2	84.2	84.4	84.7	84.9	84.9	84.9	84.9	84.9	84.9
GE 4000	38.9	63.3	73.7	78.2	82.3	82.9	83.2	84.2	84.4	84.7	84.9	84.9	84.9	84.9	84.9	84.9
GE 3500	38.9	63.3	73.7	78.2	82.3	82.9	83.2	84.2	84.4	84.7	84.9	84.9	84.9	84.9	84.9	84.9
GE 3000	39.1	63.5	73.9	78.4	82.5	83.2	83.4	84.4	84.7	84.9	85.1	85.1	85.1	85.1	85.1	85.1
GE 2500	40.0	64.4	74.9	79.5	83.8	84.4	84.7	85.7	86.0	86.2	86.4	86.4	86.4	86.4	86.4	86.4
GE 2000	40.4	65.2	77.8	82.5	86.8	87.5	87.7	88.8	89.0	89.2	89.4	89.4	89.4	89.4	89.4	89.4
GE 1800	40.6	65.9	78.6	83.4	87.7	88.3	88.6	89.6	89.8	90.1	90.3	90.3	90.3	90.3	90.3	90.3
GE 1500	40.8	66.1	79.5	85.3	90.1	90.9	91.1	92.2	92.4	92.7	92.9	92.9	92.9	92.9	92.9	92.9
GE 1200	41.0	66.5	80.8	87.0	92.4	93.7	94.0	95.7	95.9	96.1	96.3	96.3	96.3	96.3	96.3	96.3
GE 1000	41.0	66.5	80.8	87.5	94.0	95.5	95.7	98.3	98.7	98.9	99.1	99.1	99.1	99.1	99.1	99.1
GE 900	41.0	66.5	80.8	87.5	94.0	95.5	95.7	98.3	98.7	98.9	99.1	99.1	99.1	99.1	99.1	99.1
GE 800	41.0	66.5	81.0	87.9	94.4	96.1	96.3	98.9	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	41.0	66.5	81.0	87.9	94.4	96.1	96.3	98.9	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	41.0	66.5	81.0	87.9	94.4	96.1	96.3	98.9	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	41.0	66.5	81.0	87.9	94.4	96.1	96.3	98.9	99.4	99.6	99.8	99.8	99.8	100.0	100.0	100.0
GE 400	41.0	66.5	81.0	87.9	94.4	96.1	96.3	98.9	99.4	99.6	99.8	99.8	99.8	100.0	100.0	100.0
GE 300	41.0	66.5	81.0	87.9	94.4	96.1	96.3	98.9	99.4	99.6	99.8	99.8	99.8	100.0	100.0	100.0
GE 200	41.0	66.5	81.0	87.9	94.4	96.1	96.3	98.9	99.4	99.6	99.8	99.8	99.8	100.0	100.0	100.0
GE 100	41.0	66.5	81.0	87.9	94.4	96.1	96.3	98.9	99.4	99.6	99.8	99.8	99.8	100.0	100.0	100.0
GE 000	41.0	66.5	81.0	87.9	94.4	96.1	96.3	98.9	99.4	99.6	99.8	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 463

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GF 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	44.3	61.5	72.7	76.7	81.3	81.5	81.5	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 4500	44.3	61.5	72.7	76.7	81.3	81.5	81.5	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 4000	44.3	61.5	72.7	76.7	81.3	81.5	81.5	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 3500	44.3	61.5	72.7	76.7	81.3	81.5	81.5	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 3000	44.7	61.9	73.1	77.1	81.7	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 2500	44.9	62.1	73.3	77.5	82.2	82.4	82.4	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 2000	46.7	65.0	77.8	82.4	87.0	87.2	87.2	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 1800	47.8	66.5	80.0	84.6	89.2	89.4	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 1500	48.7	67.4	82.8	87.7	92.7	93.0	93.0	93.6	93.6	93.6	93.6	93.8	93.8	93.8	93.8	93.8
GE 1200	48.9	68.1	83.7	88.5	95.2	95.6	95.6	96.3	96.3	96.3	96.3	96.5	96.5	96.5	96.5	96.5
GE 1000	48.9	68.1	84.1	89.0	96.7	97.4	97.4	98.2	98.2	98.2	98.2	98.5	98.5	98.5	98.5	98.5
GE 900	48.9	68.1	84.4	89.2	96.9	97.6	97.6	98.5	98.5	98.5	98.5	98.7	98.7	98.7	98.7	98.7
GE 800	48.9	68.1	84.8	89.6	97.4	98.0	98.0	99.1	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6
GE 700	48.9	68.1	84.8	89.6	97.4	98.0	98.0	99.1	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8
GE 600	48.9	68.1	85.0	89.9	97.6	98.2	98.2	99.3	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 500	48.9	68.1	85.0	89.9	97.6	98.2	98.2	99.3	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 400	48.9	68.1	85.0	89.9	97.6	98.2	98.2	99.3	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 300	48.9	68.1	85.0	89.9	97.6	98.2	98.2	99.3	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 200	48.9	68.1	85.0	89.9	97.6	98.2	98.2	99.3	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 100	48.9	68.1	85.0	89.9	97.6	98.2	98.2	99.3	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 000	48.9	68.1	85.0	89.9	97.6	98.2	98.2	99.3	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 454

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROSTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR HOURS: 15-17

CEILING		VISIBILITY IN METERS															
IN	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	112	90	80	60	48	40	32	24	20	16	12	10	08	06	04	00	
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE 5000	37.4	58.1	73.6	77.9	82.7	83.8	83.8	84.2	84.2	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 4500	37.4	58.1	73.6	77.9	82.7	83.8	83.8	84.2	84.2	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 4000	37.4	58.1	73.6	77.9	82.7	83.8	83.8	84.2	84.2	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 3500	37.6	58.3	73.9	78.2	82.9	84.0	84.0	84.5	84.5	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 3000	37.6	58.3	73.9	78.2	82.9	84.0	84.0	84.5	84.5	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 2500	37.8	58.6	74.8	79.3	84.0	85.1	85.1	85.6	85.6	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 2000	38.7	60.1	77.3	81.8	86.9	88.1	88.1	88.5	88.5	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 1800	38.7	60.4	77.5	82.4	87.8	89.2	89.2	89.6	89.6	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 1500	39.0	61.0	81.5	87.4	93.2	94.6	94.6	95.0	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 1200	39.0	61.3	82.2	88.3	94.4	96.4	96.4	96.8	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 1000	39.0	61.3	82.4	89.0	95.9	98.0	98.0	98.6	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 900	39.0	61.3	82.4	89.4	96.4	98.4	98.4	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 800	39.0	61.3	82.4	89.4	96.6	98.9	98.9	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	39.0	61.3	82.4	89.4	96.6	98.9	98.9	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	39.0	61.3	82.4	89.4	96.6	98.9	98.9	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	39.0	61.3	82.4	89.4	96.6	98.9	98.9	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	39.0	61.3	82.4	89.4	96.6	98.9	98.9	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	39.0	61.3	82.4	89.4	96.6	98.9	98.9	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	39.0	61.3	82.4	89.4	96.6	98.9	98.9	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	39.0	61.3	82.4	89.4	96.6	98.9	98.9	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	39.0	61.3	82.4	89.4	96.6	98.9	98.9	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 444

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR HOURS: 18-20

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	26.0	56.5	72.7	78.1	83.8	86.8	86.8	87.4	87.4	87.4	87.4	87.7	87.7	87.7	87.7	87.7
GE 4500	26.0	56.5	72.7	78.1	83.8	86.8	86.8	87.4	87.4	87.4	87.4	87.7	87.7	87.7	87.7	87.7
GE 4000	26.0	56.5	72.7	78.1	83.8	86.8	86.8	87.4	87.4	87.4	87.4	87.7	87.7	87.7	87.7	87.7
GE 3500	26.0	56.5	72.7	78.1	83.8	86.8	86.8	87.4	87.4	87.4	87.4	87.7	87.7	87.7	87.7	87.7
GE 3000	26.0	56.5	73.8	79.2	84.8	87.9	87.9	88.5	88.5	88.5	88.5	88.7	88.7	88.7	88.7	88.7
GE 2500	26.6	57.8	75.1	80.7	86.4	89.4	89.4	90.0	90.0	90.0	90.0	90.3	90.3	90.3	90.3	90.3
GE 2000	26.6	58.4	76.4	82.0	87.9	90.9	90.9	91.6	91.6	91.6	91.6	91.8	91.8	91.8	91.8	91.8
GE 1800	26.6	58.4	76.4	82.0	88.1	91.1	91.1	91.8	91.8	91.8	91.8	92.0	92.0	92.0	92.0	92.0
GE 1500	26.6	58.4	76.4	82.3	88.7	91.8	91.8	92.4	92.4	92.4	92.4	92.6	92.6	92.6	92.6	92.6
GE 1200	26.6	58.7	77.1	83.8	90.5	94.2	94.2	95.0	95.0	95.0	95.0	95.2	95.2	95.2	95.2	95.2
GE 1000	26.8	58.9	77.5	84.8	92.6	96.5	96.5	97.4	97.6	97.6	97.6	97.8	97.8	97.8	97.8	97.8
GE 900	26.8	58.9	77.5	85.1	93.1	97.0	97.0	97.8	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3
GE 800	26.8	58.9	77.5	85.1	93.3	97.6	97.6	99.4	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8
GE 700	26.8	58.9	77.5	85.1	93.5	97.8	97.8	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 600	26.8	58.9	77.5	85.1	93.5	97.8	97.8	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 500	26.8	58.9	77.5	85.1	93.5	97.8	97.8	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 400	26.8	58.9	77.5	85.1	93.5	97.8	97.8	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 300	26.8	58.9	77.5	85.1	93.5	97.8	97.8	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 200	26.8	58.9	77.5	85.1	93.5	97.8	97.8	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 100	26.8	58.9	77.5	85.1	93.5	97.8	97.8	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 000	26.8	58.9	77.5	85.1	93.5	97.8	97.8	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 462

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	21.7	55.6	65.9	73.2	80.2	83.2	83.2	83.7	84.6	84.6	84.6	84.8	84.8	84.8	84.8	84.8
GE 4500	21.7	55.6	65.9	73.2	80.2	83.2	83.2	83.7	84.6	84.6	84.6	84.8	84.8	84.8	84.8	84.8
GE 4000	21.7	55.6	65.9	73.2	80.2	83.2	83.2	83.7	84.6	84.6	84.6	84.8	84.8	84.8	84.8	84.8
GE 3500	21.7	55.6	65.9	73.2	80.2	83.2	83.2	83.7	84.6	84.6	84.6	84.8	84.8	84.8	84.8	84.8
GE 3000	21.7	55.8	66.4	73.7	81.0	84.0	84.0	84.6	85.4	85.4	85.4	85.6	85.6	85.6	85.6	85.6
GE 2500	21.7	56.4	66.9	74.3	81.6	84.6	84.6	85.1	85.9	85.9	85.9	86.2	86.2	86.2	86.2	86.2
GE 2000	22.5	57.7	68.8	76.2	83.7	86.7	86.7	87.3	88.1	88.1	88.1	88.3	88.3	88.3	88.3	88.3
GE 1800	22.8	58.3	69.4	76.7	84.3	87.3	87.3	87.8	88.6	88.6	88.6	88.9	88.9	88.9	88.9	88.9
GE 1500	22.8	58.3	69.9	77.5	85.1	88.1	88.1	88.9	89.7	89.7	89.7	90.0	90.0	90.0	90.0	90.0
GE 1200	22.8	58.3	69.9	79.4	87.3	90.2	90.2	91.1	91.9	91.9	91.9	92.1	92.1	92.1	92.1	92.1
GE 1000	22.8	58.3	70.7	80.5	89.4	93.2	93.2	94.6	96.2	96.2	96.5	96.7	96.7	96.7	96.7	96.7
GE 900	22.8	58.3	70.7	80.5	89.7	93.5	93.5	94.9	96.5	96.5	96.7	97.0	97.0	97.0	97.0	97.0
GE 800	22.8	58.3	70.7	80.5	89.7	94.0	94.0	95.9	97.6	97.6	97.8	98.1	98.1	98.1	98.1	98.1
GE 700	22.8	58.3	70.7	80.5	89.7	94.0	94.0	95.9	97.8	97.8	98.1	98.4	98.4	98.4	98.4	98.4
GE 600	22.8	58.3	70.7	80.8	90.2	94.6	94.6	96.5	98.6	98.6	98.9	99.2	99.2	99.2	99.2	99.2
GE 500	22.8	58.3	70.7	80.8	90.2	94.6	94.6	96.5	98.9	98.9	99.2	99.5	99.5	99.5	99.5	99.5
GE 400	22.8	58.3	71.0	81.0	90.8	95.1	95.1	97.0	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0
GE 300	22.8	58.3	71.0	81.0	90.8	95.1	95.1	97.0	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0
GE 200	22.8	58.3	71.0	81.0	90.8	95.1	95.1	97.0	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0
GE 100	22.8	58.3	71.0	81.0	90.8	95.1	95.1	97.0	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0
GE 000	22.8	58.3	71.0	81.0	90.8	95.1	95.1	97.0	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 369

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	30.8	58.8	70.8	76.0	81.5	83.4	83.5	84.6	85.2	85.3	85.5	85.6	85.6	85.6	85.6	86.2
GE 4500	30.8	58.8	70.8	76.0	81.5	83.4	83.5	84.6	85.2	85.3	85.5	85.6	85.6	85.6	85.6	86.2
GE 4000	30.8	58.8	70.8	76.0	81.5	83.4	83.5	84.6	85.2	85.3	85.5	85.6	85.6	85.6	85.6	86.2
GE 3500	30.9	58.8	70.8	76.0	81.5	83.5	83.5	84.7	85.2	85.4	85.5	85.6	85.6	85.6	85.7	86.2
GE 3000	31.0	59.0	71.1	76.4	81.9	83.8	83.9	85.0	85.6	85.7	85.9	86.0	86.0	86.0	86.0	86.6
GE 2500	31.3	59.5	71.8	77.1	82.7	84.6	84.7	85.8	86.4	86.5	86.7	86.8	86.8	86.8	86.9	87.4
GE 2000	31.9	60.6	73.7	79.3	85.1	87.1	87.1	88.3	88.9	89.0	89.2	89.2	89.2	89.3	89.3	89.9
GE 1800	32.1	61.1	74.4	80.1	86.0	88.0	88.0	89.2	89.8	89.9	90.1	90.2	90.2	90.2	90.2	90.8
GE 1500	32.4	61.5	75.8	81.9	88.1	90.1	90.2	91.4	92.0	92.2	92.3	92.4	92.4	92.5	92.5	93.1
GE 1200	32.4	61.7	76.3	82.9	89.5	91.9	91.9	93.4	94.0	94.1	94.3	94.4	94.4	94.5	94.5	95.1
GE 1000	32.4	61.7	76.6	83.5	91.0	93.6	93.6	95.5	96.5	96.6	96.8	96.9	96.9	97.0	97.0	97.6
GE 900	32.4	61.7	76.7	83.8	91.3	93.9	94.0	95.9	96.9	97.0	97.2	97.3	97.3	97.4	97.4	98.0
GE 800	32.4	61.7	76.8	83.9	91.5	94.5	94.5	96.6	97.8	98.0	98.2	98.3	98.3	98.3	98.4	99.0
GE 700	32.4	61.7	76.8	83.9	91.6	94.5	94.6	96.8	98.0	98.1	98.4	98.4	98.4	98.5	98.6	99.2
GE 600	32.4	61.7	76.8	84.0	91.6	94.6	94.7	96.9	98.2	98.3	98.6	98.7	98.7	98.7	98.8	99.4
GE 500	32.4	61.7	76.8	84.0	91.6	94.6	94.7	96.9	98.2	98.4	98.7	98.8	98.8	98.9	99.0	99.7
GE 400	32.4	61.7	76.8	84.0	91.7	94.7	94.7	97.0	98.3	98.4	98.7	98.8	98.9	99.0	99.1	99.8
GE 300	32.4	61.7	76.8	84.0	91.7	94.7	94.7	97.0	98.3	98.4	98.7	98.8	98.9	99.0	99.1	99.8
GE 200	32.4	61.7	76.8	84.0	91.7	94.7	94.7	97.0	98.3	98.4	98.7	98.8	98.9	99.0	99.1	99.9
GE 100	32.4	61.7	76.8	84.0	91.7	94.7	94.7	97.0	98.3	98.4	98.8	98.9	98.9	99.0	99.1	99.9
GE 000	32.5	61.8	76.9	84.0	91.8	94.7	94.8	97.0	98.4	98.5	98.8	98.9	98.9	99.0	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 3483



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROSTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: 00-02

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE	5000	23.7	70.0	77.1	81.3	86.5	88.4	88.4	89.3	91.2	91.2	91.7	91.7	92.0	92.0	92.0	92.6
GE	4500	23.7	70.0	77.1	81.3	86.5	88.4	88.4	89.3	91.2	91.2	91.7	91.7	92.0	92.0	92.0	92.6
GE	4000	23.7	70.0	77.1	81.3	86.5	88.4	88.4	89.3	91.2	91.2	91.7	91.7	92.0	92.0	92.0	92.6
GE	3500	23.7	70.0	77.1	81.3	86.5	88.4	88.4	89.3	91.2	91.2	91.7	91.7	92.0	92.0	92.0	92.6
GE	3000	23.7	70.0	77.1	81.3	86.5	88.4	88.4	89.3	91.2	91.2	91.7	91.7	92.0	92.0	92.0	92.6
GE	2500	23.7	70.0	77.1	81.3	86.5	88.4	88.4	89.3	91.2	91.2	91.7	91.7	92.0	92.0	92.0	92.6
GE	2000	23.7	70.0	77.1	81.3	86.5	88.4	88.4	89.3	91.2	91.2	91.7	91.7	92.0	92.0	92.0	92.6
GE	1800	24.0	70.2	77.4	81.5	86.8	88.7	88.7	89.5	91.5	91.5	92.0	92.0	92.3	92.3	92.3	92.8
GE	1500	24.0	70.2	77.7	81.8	87.1	89.0	89.0	89.8	91.7	91.7	92.3	92.3	92.6	92.6	92.6	93.1
GE	1200	24.0	70.2	78.0	82.4	88.2	90.4	90.4	91.2	93.1	93.1	93.7	93.7	93.9	93.9	93.9	94.5
GE	1000	24.0	70.2	78.0	82.6	89.0	91.5	91.5	92.3	94.5	94.5	95.0	95.0	95.3	95.3	95.3	95.9
GE	900	24.0	70.2	78.0	82.6	89.0	91.5	91.5	92.3	94.5	94.5	95.0	95.0	95.3	95.3	95.3	95.9
GE	800	24.0	70.2	78.0	82.6	89.8	93.1	93.1	94.2	96.7	96.7	97.2	97.2	97.5	97.5	97.8	98.3
GE	700	24.0	70.2	78.0	82.9	90.1	93.4	93.4	94.5	97.0	97.0	97.5	97.5	97.8	97.8	98.1	98.5
GE	600	24.0	70.2	78.0	83.2	90.4	93.7	93.7	94.8	97.2	97.2	97.8	97.8	98.1	98.1	98.3	98.9
GE	500	24.0	70.2	78.0	83.2	90.4	93.7	93.7	94.8	97.2	97.2	97.8	97.8	98.1	98.1	98.3	98.9
GE	400	24.0	70.2	78.0	83.2	90.4	93.7	93.7	94.8	97.5	97.5	98.1	98.1	98.3	98.3	98.6	99.2
GE	300	24.0	70.2	78.0	83.2	90.4	93.7	93.7	94.8	97.5	97.5	98.1	98.1	98.3	98.3	98.9	99.7
GE	200	24.0	70.2	78.0	83.2	90.4	93.7	93.7	94.8	97.5	97.5	98.1	98.1	98.3	98.3	98.9	99.7
GE	100	24.0	70.2	78.0	83.2	90.4	93.7	93.7	94.8	97.5	97.5	98.1	98.1	98.3	98.3	98.9	99.7
GE	000	24.0	70.2	78.0	83.2	90.4	93.7	93.7	94.8	97.5	97.5	98.1	98.1	98.3	98.3	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 363

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: 03-05

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	26.5	68.6	77.4	81.4	86.0	87.9	87.9	88.4	90.0	90.0	90.2	90.5	90.7	90.7	90.9	92.3
GE 4500	26.5	68.6	77.4	81.4	86.0	87.9	87.9	88.4	90.0	90.0	90.2	90.5	90.7	90.7	90.9	92.3
GE 4000	26.5	68.8	77.7	81.6	86.3	88.1	88.1	88.6	90.2	90.2	90.5	90.7	90.9	90.9	91.2	92.6
GE 3500	26.5	68.8	77.7	81.6	86.3	88.1	88.1	88.6	90.2	90.2	90.5	90.7	90.9	90.9	91.2	92.6
GE 3000	26.5	68.8	77.7	81.6	86.3	88.1	88.1	88.6	90.2	90.2	90.5	90.7	90.9	90.9	91.2	92.6
GE 2500	26.5	68.8	77.7	81.6	86.3	88.1	88.1	88.6	90.2	90.2	90.5	90.7	90.9	90.9	91.2	92.6
GE 2000	26.7	69.1	77.9	81.9	86.5	88.4	88.4	88.8	90.5	90.5	90.7	90.9	91.2	91.2	91.4	92.8
GE 1800	26.7	69.1	78.1	82.1	86.7	88.6	88.6	89.1	90.7	90.7	90.9	91.2	91.4	91.4	91.6	93.0
GE 1500	26.7	69.1	78.1	82.8	87.7	89.5	89.5	90.2	91.9	91.9	92.1	92.3	92.6	92.6	92.8	94.2
GE 1200	26.7	69.3	78.6	83.3	88.8	90.7	90.7	91.4	93.0	93.0	93.3	93.5	93.7	93.7	94.0	95.3
GE 1000	26.7	69.3	78.6	83.3	89.5	91.6	91.6	92.6	94.4	94.4	94.7	94.9	95.1	95.1	95.3	96.7
GE 900	26.7	69.3	78.6	83.3	89.5	91.6	91.6	92.6	94.4	94.4	94.7	94.9	95.1	95.1	95.6	97.0
GE 800	26.7	69.3	78.6	83.3	89.5	91.9	91.9	92.8	94.9	94.9	95.1	95.3	95.6	95.8	96.3	97.7
GE 700	26.7	69.3	78.6	83.3	89.5	91.9	91.9	92.8	94.9	94.9	95.1	95.3	95.6	95.8	96.3	97.7
GE 600	26.7	69.3	78.6	83.3	89.5	92.3	92.3	93.3	95.3	95.3	95.6	95.8	96.0	96.3	96.7	98.1
GE 500	26.7	69.3	78.6	83.3	89.5	92.3	92.3	93.3	95.3	95.3	95.6	95.8	96.0	96.3	96.7	98.1
GE 400	26.7	69.3	78.6	83.3	89.5	92.3	92.3	93.3	95.3	95.3	95.8	96.0	96.3	96.5	97.2	99.1
GE 300	26.7	69.3	78.6	83.3	89.5	92.3	92.3	93.3	95.3	95.3	95.8	96.0	96.3	96.5	97.2	99.3
GE 200	26.7	69.3	78.6	83.3	89.5	92.3	92.3	93.3	95.3	95.3	95.8	96.0	96.3	96.5	97.2	99.5
GE 100	26.7	69.3	78.6	83.3	89.5	92.3	92.3	93.3	95.3	95.3	95.8	96.0	96.3	96.5	97.2	99.8
GE 000	26.7	69.3	78.6	83.3	89.5	92.3	92.3	93.3	95.3	95.3	95.8	96.0	96.3	96.5	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS 430

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROSTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	33.1	69.8	78.1	82.6	85.7	87.2	87.2	88.6	89.9	90.2	90.6	90.8	91.5	91.5	91.7	91.9
GE 4500	33.1	69.8	78.1	82.6	85.7	87.2	87.2	88.6	89.9	90.2	90.6	90.8	91.5	91.5	91.7	91.9
GE 4000	33.1	69.8	78.1	82.6	85.7	87.2	87.2	88.6	89.9	90.2	90.6	90.8	91.5	91.5	91.7	91.9
GE 3500	33.1	69.8	78.1	82.6	85.7	87.2	87.2	88.6	89.9	90.2	90.6	90.8	91.5	91.5	91.7	91.9
GE 3000	33.1	69.8	78.1	82.6	85.7	87.2	87.2	88.6	89.9	90.2	90.6	90.8	91.5	91.5	91.7	91.9
GE 2500	33.1	70.0	78.3	82.8	85.9	87.5	87.5	88.8	90.2	90.4	90.8	91.1	91.7	91.7	91.9	92.2
GE 2000	33.6	70.5	78.7	83.2	86.4	87.9	87.9	89.3	90.6	90.8	91.3	91.5	92.2	92.2	92.4	92.6
GE 1800	33.6	70.5	78.7	83.2	86.4	87.9	87.9	89.3	90.6	90.8	91.3	91.5	92.2	92.2	92.4	92.6
GE 1500	33.8	70.7	79.2	83.7	86.8	88.4	88.4	89.9	91.3	91.5	91.9	92.2	92.8	93.1	93.3	93.5
GE 1200	33.8	70.9	79.4	83.9	87.0	88.8	88.8	90.4	91.7	91.9	92.4	92.6	93.3	93.5	93.7	94.0
GE 1000	34.0	71.1	79.6	84.3	87.7	89.9	89.9	91.9	93.5	93.7	94.2	94.4	95.1	95.3	95.5	95.7
GE 900	34.0	71.1	79.6	84.3	87.7	89.9	89.9	92.2	94.0	94.2	94.9	95.1	95.7	96.0	96.2	96.4
GE 800	34.0	71.1	79.6	84.3	87.9	90.2	90.2	92.6	94.9	95.1	95.7	96.0	96.6	96.9	97.1	97.3
GE 700	34.0	71.1	79.6	84.3	87.9	90.2	90.2	92.8	95.1	95.3	96.2	96.4	97.1	97.3	97.5	97.8
GE 600	34.0	71.1	79.6	84.3	87.9	90.2	90.2	92.8	95.1	95.3	96.4	96.6	97.5	97.8	98.0	98.2
GE 500	34.0	71.1	79.6	84.3	87.9	90.2	90.2	92.8	95.3	95.5	97.1	97.3	98.2	98.7	99.1	99.3
GE 400	34.0	71.1	79.6	84.3	87.9	90.2	90.2	92.8	95.3	95.5	97.1	97.3	98.2	98.7	99.1	99.8
GE 300	34.0	71.1	79.6	84.3	87.9	90.2	90.2	92.8	95.3	95.5	97.1	97.3	98.2	98.7	99.1	99.8
GE 200	34.0	71.1	79.6	84.3	87.9	90.2	90.2	92.8	95.3	95.5	97.1	97.3	98.2	98.7	99.1	100.0
GE 100	34.0	71.1	79.6	84.3	87.9	90.2	90.2	92.8	95.3	95.5	97.1	97.3	98.2	98.7	99.1	100.0
GE 000	34.0	71.1	79.6	84.3	87.9	90.2	90.2	92.8	95.3	95.5	97.1	97.3	98.2	98.7	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 447

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONA ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: 09-11

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 2000																	
GE 1800																	
GE 1600																	
GE 1400																	
GE 1200																	
GE 1000																	
GE 900																	
GE 800																	
GE 700																	
GE 600																	
GE 500		38.1	70.7	81.4	83.9	87.5	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 450		38.1	70.7	81.4	83.9	87.5	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 400		38.1	70.7	81.4	83.9	87.5	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 350		38.1	70.7	81.4	83.9	87.5	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 300		38.1	70.7	81.4	83.9	87.5	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 250		38.1	70.7	81.4	83.9	87.5	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 200		38.8	71.7	82.3	85.3	88.9	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 180		39.2	72.8	83.4	86.4	90.0	91.2	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 150		39.2	73.2	84.8	88.0	92.1	93.2	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 120		39.2	73.2	84.8	88.4	92.7	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 100		39.2	73.2	85.5	89.3	93.7	96.6	96.6	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 90		39.2	73.2	85.5	89.3	93.9	97.3	97.3	97.5	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2
GE 80		39.2	73.2	85.5	89.3	94.3	97.7	97.7	98.2	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8
GE 70		39.2	73.2	85.5	89.3	94.3	97.7	97.7	98.2	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8
GE 60		39.2	73.2	85.5	89.3	94.3	97.7	97.7	98.2	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8
GE 50		39.2	73.2	85.5	89.3	94.3	97.7	97.7	98.2	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8
GE 40		39.2	73.2	85.5	89.3	94.3	97.7	97.7	98.2	99.3	99.3	99.8	99.8	99.8	99.8	99.8	100.0
GE 30		39.2	73.2	85.5	89.3	94.3	97.7	97.7	98.2	99.3	99.3	99.8	99.8	99.8	99.8	99.8	100.0
GE 20		39.2	73.2	85.5	89.3	94.3	97.7	97.7	98.2	99.3	99.3	99.8	99.8	99.8	99.8	99.8	100.0
GE 10		39.2	73.2	85.5	89.3	94.3	97.7	97.7	98.2	99.3	99.3	99.8	99.8	99.8	99.8	99.8	100.0
GE 00		39.2	73.2	85.5	89.3	94.3	97.7	97.7	98.2	99.3	99.3	99.8	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 441

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	43.2	69.6	81.5	86.0	88.1	88.8	88.8	88.8	88.8	88.8	89.0	89.0	89.0	89.0	89.0	89.0
GE 4500	43.2	69.6	81.5	86.0	88.1	88.8	88.8	88.8	88.8	88.8	89.0	89.0	89.0	89.0	89.0	89.0
GE 4000	43.2	69.6	81.5	86.0	88.1	88.8	88.8	88.8	88.8	88.8	89.0	89.0	89.0	89.0	89.0	89.0
GE 3500	43.2	69.6	81.5	86.0	88.1	88.8	88.8	88.8	88.8	88.8	89.0	89.0	89.0	89.0	89.0	89.0
GE 3000	43.2	69.9	81.8	86.2	88.3	89.0	89.0	89.0	89.0	89.0	89.3	89.3	89.3	89.3	89.3	89.3
GE 2500	43.9	70.6	82.5	86.9	89.0	89.7	89.7	89.7	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0
GE 2000	45.6	72.4	85.0	89.5	91.8	92.5	92.5	92.5	92.5	92.5	92.8	92.8	92.8	92.8	92.8	92.8
GE 1800	46.3	73.4	86.2	90.7	93.0	93.7	93.7	93.7	93.7	93.7	93.9	93.9	93.9	93.9	93.9	93.9
GE 1500	46.5	74.5	87.9	92.8	95.3	96.3	96.3	96.3	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5
GE 1200	46.7	74.8	88.1	93.5	96.0	97.0	97.0	97.0	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	46.7	74.8	88.1	93.5	96.7	98.6	98.6	98.6	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1
GE 900	46.7	74.8	88.1	93.5	96.7	98.6	98.6	98.6	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1
GE 800	46.7	74.8	88.1	93.5	97.0	98.8	98.8	98.8	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	46.7	74.8	88.1	93.5	97.0	98.8	98.8	98.8	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	46.7	74.8	88.1	93.5	97.0	98.8	98.8	98.8	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	46.7	74.8	88.1	93.5	97.0	98.8	98.8	98.8	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	46.7	74.8	88.1	93.5	97.0	98.8	98.8	98.8	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	46.7	74.8	88.1	93.5	97.0	98.8	98.8	98.8	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	46.7	74.8	88.1	93.5	97.0	98.8	98.8	98.8	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	46.7	74.8	88.1	93.5	97.0	98.8	98.8	98.8	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	46.7	74.8	88.1	93.5	97.0	98.8	98.8	98.8	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 428

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	39.0	72.5	83.6	86.6	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 4500	39.0	72.5	83.6	86.6	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 4000	39.0	72.5	83.6	86.6	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 3500	39.0	72.5	83.6	86.6	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 3000	39.3	72.7	83.8	86.8	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 2500	40.4	73.9	85.2	88.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 2000	42.5	76.2	87.8	90.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 1800	43.0	76.7	88.5	91.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 1500	43.2	76.9	88.7	91.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 1200	43.2	76.9	88.9	92.6	96.8	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	43.6	77.4	89.4	93.3	98.2	98.6	98.6	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 900	43.6	77.4	89.4	93.3	98.2	98.6	98.6	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 800	43.6	77.4	89.4	93.3	98.4	98.8	98.8	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	43.6	77.4	89.4	93.3	98.4	98.8	98.8	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 600	43.6	77.4	89.4	93.3	98.4	98.8	98.8	99.3	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	43.6	77.4	89.4	93.3	98.4	98.8	98.8	99.3	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	43.6	77.4	89.4	93.3	98.4	98.8	98.8	99.3	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	43.6	77.4	89.4	93.3	98.4	98.8	98.8	99.3	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	43.6	77.4	89.4	93.3	98.4	98.8	98.8	99.3	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	43.6	77.4	89.4	93.3	98.4	98.8	98.8	99.3	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	43.6	77.4	89.4	93.3	98.4	98.8	98.8	99.3	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 433

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: 18-20

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE 5000		33.0	71.4	82.2	86.4	90.3	90.5	90.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 4500		33.0	71.4	82.2	86.4	90.3	90.5	90.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 4000		33.0	71.4	82.2	86.4	90.3	90.5	90.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 3500		33.0	71.4	82.2	86.4	90.3	90.5	90.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 3000		33.9	72.3	83.1	87.3	91.2	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 2500		34.2	72.5	83.4	87.5	91.5	91.7	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 2000		35.3	74.1	85.2	89.4	93.5	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 1800		35.3	74.1	85.2	89.4	93.5	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 1500		35.6	74.4	85.5	89.6	94.2	94.5	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 1200		35.6	74.4	85.5	89.6	95.4	95.6	95.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1000		35.6	74.4	85.7	89.8	96.3	97.0	97.0	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 900		35.6	74.4	85.7	89.8	96.5	97.2	97.2	97.9	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6
GE 800		35.6	74.4	85.7	89.8	96.8	97.9	97.9	98.6	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
GE 700		35.6	74.6	85.9	90.1	97.0	98.2	98.2	98.8	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5
GE 600		35.6	74.6	85.9	90.1	97.0	98.2	98.2	98.8	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8
GE 500		35.6	74.6	85.9	90.1	97.0	98.2	98.2	98.8	99.3	99.3	99.8	99.8	100.0	100.0	100.0	100.0
GE 400		35.6	74.6	85.9	90.1	97.0	98.2	98.2	98.8	99.3	99.3	99.8	99.8	100.0	100.0	100.0	100.0
GE 300		35.6	74.6	85.9	90.1	97.0	98.2	98.2	98.8	99.3	99.3	99.8	99.8	100.0	100.0	100.0	100.0
GE 200		35.6	74.6	85.9	90.1	97.0	98.2	98.2	98.8	99.3	99.3	99.8	99.8	100.0	100.0	100.0	100.0
GE 100		35.6	74.6	85.9	90.1	97.0	98.2	98.2	98.8	99.3	99.3	99.8	99.8	100.0	100.0	100.0	100.0
GE 000		35.6	74.6	85.9	90.1	97.0	98.2	98.2	98.8	99.3	99.3	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 433

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 43	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	26.0	69.9	79.3	85.4	89.5	91.2	91.2	92.3	92.5	92.5	92.3	92.8	92.8	92.8	92.8	92.8
GE 4500	26.0	69.9	79.3	85.4	89.5	91.2	91.2	92.3	92.5	92.5	92.8	92.8	92.8	92.8	92.8	92.8
GE 4000	26.0	69.9	79.3	85.4	89.5	91.2	91.2	92.3	92.5	92.5	92.8	92.8	92.8	92.8	92.8	92.8
GE 3500	26.0	69.9	79.3	85.4	89.5	91.2	91.2	92.3	92.5	92.5	92.8	92.8	92.8	92.8	92.8	92.8
GE 3000	26.0	70.2	79.6	85.6	89.8	91.4	91.4	92.5	92.8	92.8	93.1	93.1	93.1	93.1	93.1	93.1
GE 2500	26.0	70.2	79.6	85.6	89.8	91.4	91.4	92.5	92.8	92.8	93.1	93.1	93.1	93.1	93.1	93.1
GE 2000	26.2	70.4	80.4	86.5	90.6	92.3	92.3	93.4	93.6	93.6	93.9	93.9	93.9	93.9	93.9	93.9
GE 1800	26.2	70.4	80.4	86.5	90.6	92.3	92.3	93.4	93.6	93.6	93.9	93.9	93.9	93.9	93.9	93.9
GE 1500	26.2	70.4	80.4	86.5	90.9	92.5	92.5	93.6	93.9	93.9	94.2	94.2	94.2	94.2	94.2	94.2
GE 1200	26.2	70.4	80.4	86.5	91.7	94.2	94.2	95.3	95.6	95.6	95.9	95.9	95.9	95.9	95.9	95.9
GE 1000	26.2	70.4	80.4	86.5	92.3	94.8	94.8	96.1	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0
GE 900	26.2	70.4	80.4	86.5	92.3	94.8	94.8	96.7	97.2	97.2	97.5	97.5	97.5	97.5	97.5	97.5
GE 800	26.2	70.4	80.4	87.0	92.8	95.9	95.9	97.8	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2
GE 700	26.2	70.4	80.4	87.0	92.3	95.9	95.9	97.8	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	26.2	70.4	80.4	87.0	93.4	96.4	96.4	98.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	26.2	70.4	80.4	87.0	93.4	96.4	96.4	98.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	26.2	70.4	80.4	87.0	93.4	96.4	96.4	98.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	26.2	70.4	80.4	87.0	93.4	96.4	96.4	98.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	26.2	70.4	80.4	87.0	93.4	96.4	96.4	98.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	26.2	70.4	80.4	87.0	93.4	96.4	96.4	98.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	26.2	70.4	80.4	87.0	93.4	96.4	96.4	98.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 362



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY HOURS: ALL

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CELL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	33.2	70.3	80.2	84.2	87.9	89.0	89.0	89.5	90.1	90.1	90.4	90.4	90.6	90.6	90.6	90.9
GE 4500	33.2	70.3	80.2	84.2	87.9	89.0	89.0	89.5	90.1	90.1	90.4	90.4	90.6	90.6	90.6	90.9
GE 4000	33.2	70.4	80.2	84.2	87.9	89.0	89.0	89.5	90.1	90.2	90.4	90.4	90.6	90.6	90.7	90.9
GE 3500	33.2	70.4	80.2	84.2	87.9	89.0	89.0	89.5	90.1	90.2	90.4	90.4	90.6	90.6	90.7	90.9
GE 3000	33.3	70.6	80.4	84.4	88.1	89.2	89.2	89.7	90.4	90.4	90.6	90.7	90.8	90.8	90.9	91.1
GE 2500	33.6	70.9	80.7	84.8	88.5	89.6	89.6	90.1	90.7	90.7	90.9	91.0	91.2	91.2	91.2	91.5
GE 2000	34.4	71.9	81.9	86.0	89.8	90.9	90.9	91.4	92.0	92.1	92.3	92.3	92.5	92.5	92.5	92.8
GE 1800	34.7	72.2	82.4	86.5	90.3	91.4	91.4	91.9	92.5	92.5	92.7	92.8	93.0	93.0	93.0	93.3
GE 1500	34.8	72.5	82.9	87.2	91.2	92.4	92.4	93.0	93.6	93.6	93.8	93.9	94.0	94.1	94.1	94.4
GE 1200	34.8	72.6	83.1	87.6	92.1	93.5	93.5	94.2	94.8	94.8	95.0	95.1	95.2	95.3	95.3	95.6
GE 1000	34.9	72.7	83.3	88.0	93.0	94.9	94.9	95.7	96.5	96.6	96.8	96.8	97.0	97.0	97.1	97.3
GE 900	34.9	72.7	83.3	88.0	93.0	95.0	95.0	95.9	96.8	96.9	97.2	97.2	97.4	97.4	97.5	97.8
GE 800	34.9	72.7	83.3	88.0	93.4	95.6	95.6	96.6	97.8	97.8	98.2	98.2	98.4	98.4	98.6	98.8
GE 700	34.9	72.7	83.3	88.1	93.4	95.6	95.6	96.6	97.9	97.9	98.4	98.4	98.6	98.6	98.7	99.0
GE 600	34.9	72.7	83.3	88.1	93.5	95.8	95.8	96.8	98.1	98.1	98.7	98.7	98.9	99.0	99.1	99.3
GE 500	34.9	72.7	83.3	88.1	93.5	95.8	95.8	96.8	98.1	98.1	98.7	98.8	99.0	99.1	99.3	99.5
GE 400	34.9	72.7	83.3	88.1	93.5	95.8	95.8	96.8	98	98.2	98.8	98.9	99.1	99.2	99.3	99.8
GE 300	34.9	72.7	83.3	88.1	93.5	95.8	95.8	96.8	98	98.2	98.8	98.9	99.1	99.2	99.4	99.9
GE 200	34.9	72.7	83.3	88.1	93.5	95.8	95.8	96.8	98.1	98.2	98.8	98.9	99.1	99.2	99.4	99.9
GE 100	34.9	72.7	83.3	88.1	93.5	95.8	95.8	96.8	98.1	98.2	98.8	98.9	99.1	99.2	99.4	99.9
GE 000	34.9	72.7	83.3	88.1	93.5	95.8	95.8	96.8	98.1	98.2	98.8	98.9	99.1	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 3337

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUN HOURS: 00-02

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE	20000																
GE	18000																
GE	16000																
GE	14000																
GE	12000																
GE	10000																
GE	9000																
GE	8000																
GE	7000																
GE	6000																
GE	5000	25.1	86.8	92.7	94.9	97.0	97.6	97.6	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.6
GE	4500	25.1	86.8	92.7	94.9	97.0	97.6	97.6	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.6
GE	4000	25.1	86.8	92.7	94.9	97.0	97.6	97.6	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.6
GE	3500	25.1	86.8	92.7	94.9	97.0	97.6	97.6	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.6
GE	3000	25.1	86.8	92.7	94.9	97.0	97.6	97.6	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.6
GE	2500	25.1	86.8	92.7	94.9	97.0	97.6	97.6	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.6
GE	2000	25.1	86.8	92.7	94.9	97.0	97.6	97.6	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.6
GE	1800	25.1	86.8	92.7	94.9	97.0	97.6	97.6	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.6
GE	1500	25.1	86.8	93.2	95.4	97.6	98.1	98.1	98.6	98.6	98.6	98.9	98.9	98.9	98.9	98.9	99.2
GE	1200	25.1	86.8	93.2	95.4	97.6	98.1	98.1	98.6	98.6	98.6	98.9	98.9	98.9	98.9	98.9	99.2
GE	1000	25.1	86.8	93.5	95.7	97.8	98.4	98.4	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.5
GE	900	25.1	86.8	93.5	95.7	97.8	98.4	98.4	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.5
GE	800	25.1	86.8	93.5	95.7	97.8	98.4	98.4	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.5
GE	700	25.1	86.8	93.5	95.7	98.1	98.6	98.6	99.2	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.7
GE	600	25.1	86.8	93.5	95.7	98.1	98.9	98.9	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	100.0
GE	500	25.1	86.8	93.5	95.7	98.1	98.9	98.9	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	100.0
GE	400	25.1	86.8	93.5	95.7	98.1	98.9	98.9	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	100.0
GE	300	25.1	86.8	93.5	95.7	98.1	98.9	98.9	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	100.0
GE	200	25.1	86.8	93.5	95.7	98.1	98.9	98.9	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	100.0
GE	100	25.1	86.8	93.5	95.7	98.1	98.9	98.9	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	100.0
GE	000	25.1	86.8	93.5	95.7	98.1	98.9	98.9	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 370

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	25.6	86.8	92.5	93.2	94.8	95.9	95.9	96.6	97.5	97.5	97.5	97.5	97.5	97.5	97.5	98.0
GE 4500	25.6	86.8	92.5	93.2	94.8	95.9	95.9	96.6	97.5	97.5	97.5	97.5	97.5	97.5	97.5	98.0
GE 4000	25.6	86.8	92.5	93.2	94.8	95.9	95.9	96.6	97.5	97.5	97.5	97.5	97.5	97.5	97.5	98.0
GE 3500	25.6	86.8	92.5	93.2	94.8	95.9	95.9	96.6	97.5	97.5	97.5	97.5	97.5	97.5	97.5	98.0
GE 3000	25.6	86.8	92.5	93.2	94.8	95.9	95.9	96.6	97.5	97.5	97.5	97.5	97.5	97.5	97.5	98.0
GE 2500	25.6	86.8	92.5	93.2	94.8	95.9	95.9	96.6	97.5	97.5	97.5	97.5	97.5	97.5	97.5	98.0
GE 2000	26.1	87.3	93.0	93.7	95.2	96.4	96.4	97.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.4
GE 1800	26.1	87.3	93.0	93.7	95.2	96.4	96.4	97.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.4
GE 1500	26.1	87.3	93.2	94.1	95.7	96.8	96.8	97.5	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.9
GE 1200	26.1	87.3	93.2	94.1	95.7	96.8	96.8	97.5	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.9
GE 1000	26.1	87.5	93.7	94.6	96.1	97.3	97.3	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.3
GE 900	26.1	87.5	93.7	94.6	96.1	97.3	97.3	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.3
GE 800	26.1	87.5	93.7	94.6	96.4	97.5	97.5	98.4	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.8
GE 700	26.1	87.5	93.7	94.6	96.4	97.5	97.5	98.4	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.8
GE 600	26.1	87.5	93.7	94.6	96.4	97.5	97.5	98.4	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.8
GE 500	26.1	87.5	93.7	94.6	96.4	97.5	97.5	98.4	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.8
GE 400	26.1	87.5	93.7	94.6	96.4	97.5	97.5	98.4	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.8
GE 300	26.1	87.5	93.7	94.6	96.4	97.5	97.5	98.4	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.8
GE 200	26.1	87.5	93.7	94.6	96.4	97.5	97.5	98.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0
GE 100	26.1	87.5	93.7	94.6	96.4	97.5	97.5	98.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0
GE 000	26.1	87.5	93.7	94.6	96.4	97.5	97.5	98.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 441

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTON ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	30.5	86.1	91.7	94.0	96.1	96.7	96.7	97.3	97.5	97.5	97.9	97.9	97.9	97.9	97.9	98.1
GE 4500	30.5	86.1	91.7	94.0	96.1	96.7	96.7	97.3	97.5	97.5	97.9	97.9	97.9	97.9	97.9	98.1
GE 4000	30.5	86.1	91.7	94.0	96.1	96.7	96.7	97.3	97.5	97.5	97.9	97.9	97.9	97.9	97.9	98.1
GE 3500	30.5	86.1	91.7	94.0	96.1	96.7	96.7	97.3	97.5	97.5	97.9	97.9	97.9	97.9	97.9	98.1
GE 3000	30.5	86.1	91.9	94.2	96.3	96.9	96.9	97.5	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.3
GE 2500	30.7	86.3	92.1	94.4	96.5	97.1	97.1	97.7	97.9	97.9	98.3	98.3	98.3	98.3	98.3	98.5
GE 2000	31.1	86.7	92.5	94.8	96.9	97.5	97.5	98.1	98.3	98.3	98.8	98.8	98.8	98.8	98.8	99.0
GE 1800	31.1	86.7	92.5	94.8	96.9	97.5	97.5	98.1	98.3	98.3	98.8	98.8	98.8	98.8	98.8	99.0
GE 1500	31.1	86.9	92.7	95.0	97.1	97.7	97.7	98.3	98.5	98.5	99.0	99.0	99.0	99.0	99.0	99.2
GE 1200	31.1	86.9	92.7	95.0	97.3	97.9	97.9	98.5	98.8	98.8	99.2	99.2	99.2	99.2	99.2	99.4
GE 1000	31.1	86.9	92.7	95.2	97.5	98.3	98.3	99.0	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.8
GE 900	31.1	86.9	92.7	95.2	97.5	98.3	98.3	99.0	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.8
GE 800	31.1	86.9	92.7	95.2	97.7	98.5	98.5	99.2	99.4	99.4	99.8	99.8	99.8	99.8	99.8	100.0
GE 700	31.1	86.9	92.7	95.2	97.7	98.5	98.5	99.2	99.4	99.4	99.8	99.8	99.8	99.8	99.8	100.0
GE 600	31.1	86.9	92.7	95.2	97.7	98.5	98.5	99.2	99.4	99.4	99.8	99.8	99.8	99.8	99.8	100.0
GE 500	31.1	86.9	92.7	95.2	97.7	98.5	98.5	99.2	99.4	99.4	99.8	99.8	99.8	99.8	99.8	100.0
GE 400	31.1	86.9	92.7	95.2	97.7	98.5	98.5	99.2	99.4	99.4	99.8	99.8	99.8	99.8	99.8	100.0
GE 300	31.1	86.9	92.7	95.2	97.7	98.5	98.5	99.2	99.4	99.4	99.8	99.8	99.8	99.8	99.8	100.0
GE 200	31.1	86.9	92.7	95.2	97.7	98.5	98.5	99.2	99.4	99.4	99.8	99.8	99.8	99.8	99.8	100.0
GE 100	31.1	86.9	92.7	95.2	97.7	98.5	98.5	99.2	99.4	99.4	99.8	99.8	99.8	99.8	99.8	100.0
GE 000	31.1	86.9	92.7	95.2	97.7	98.5	98.5	99.2	99.4	99.4	99.8	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 482

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONA ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUN HOURS: 09-11

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE 5000		41.7	87.3	93.7	95.9	96.5	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 4500		41.7	87.3	93.7	95.9	96.5	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 4000		41.7	87.3	93.7	95.9	96.5	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 3500		41.7	87.3	93.7	95.9	96.5	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 3000		41.7	87.3	93.7	95.9	96.5	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 2500		41.7	87.8	94.1	96.3	96.9	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 2000		42.6	88.9	95.2	97.4	98.0	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1800		42.8	89.3	95.6	97.8	98.5	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1500		43.7	90.2	96.5	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200		43.7	90.2	96.5	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000		43.7	90.2	96.5	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900		43.7	90.2	96.5	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800		43.7	90.2	96.5	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700		43.7	90.2	96.5	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600		43.7	90.2	96.5	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500		43.7	90.2	96.5	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		43.7	90.2	96.5	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		43.7	90.2	96.5	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		43.7	90.2	96.5	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		43.7	90.2	96.5	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000		43.7	90.2	96.5	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 458

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	48.6	85.6	91.3	92.8	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 4500	48.6	85.6	91.3	92.8	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 4000	48.6	85.6	91.3	92.8	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 3500	48.6	85.6	91.3	92.8	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 3000	48.6	85.6	91.5	93.0	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 2500	49.7	86.9	93.0	94.6	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 2000	52.3	90.0	96.1	97.6	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1800	52.5	90.4	96.5	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1500	52.9	91.1	97.2	98.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200	52.9	91.1	97.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	52.9	91.1	97.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	52.9	91.1	97.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	52.9	91.1	97.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	52.9	91.1	97.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	52.9	91.1	97.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	52.9	91.1	97.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	52.9	91.1	97.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	52.9	91.1	97.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	52.9	91.1	97.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	52.9	91.1	97.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	52.9	91.1	97.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 459

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUN HOURS: 15-17

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE 5000		47.4	87.7	93.6	94.7	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 4500		47.4	87.7	93.6	94.7	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 4000		47.4	87.7	93.6	94.7	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 3500		47.4	87.7	93.6	94.7	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 3000		47.4	87.7	93.6	94.7	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 2500		47.8	88.2	94.1	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 2000		50.2	90.8	96.9	98.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1800		50.4	91.0	97.1	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1500		50.7	91.9	98.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200		50.7	91.9	98.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000		50.7	91.9	98.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900		50.7	91.9	98.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800		50.7	91.9	98.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700		50.7	91.9	98.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600		50.7	91.9	98.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500		50.7	91.9	98.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		50.7	91.9	98.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		50.7	91.9	98.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		50.7	91.9	98.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		50.7	91.9	98.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000		50.7	91.9	98.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 456

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUN HOURS: 18-20

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE	20000																
GE	18000																
GE	16000																
GE	14000																
GE	12000																
GE	10000																
GE	9000																
GE	8000																
GE	7000																
GE	6000																
GE	5000	33.6	89.0	95.3	97.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE	4500	33.6	89.0	95.3	97.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE	4000	33.6	89.0	95.3	97.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE	3500	33.6	89.0	95.3	97.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE	3000	33.6	89.0	95.3	97.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE	2500	33.8	89.2	95.5	97.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE	2000	34.5	90.1	96.6	98.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE	1800	34.5	90.1	96.6	98.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE	1500	34.5	90.3	97.0	98.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	1200	34.5	90.3	97.0	98.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	1000	34.5	90.3	97.0	98.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	900	34.5	90.3	97.0	98.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	800	34.5	90.3	97.0	98.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	700	34.5	90.3	97.0	98.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	600	34.5	90.3	97.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	500	34.5	90.3	97.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	400	34.5	90.3	97.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	300	34.5	90.3	97.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	200	34.5	90.3	97.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	100	34.5	90.3	97.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	000	34.5	90.3	97.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 464



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONA ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	29.1	87.7	94.1	96.0	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 4500	29.1	87.7	94.1	96.0	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 4000	29.1	87.7	94.1	96.0	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 3500	29.1	87.7	94.1	96.0	97.6	9.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 3000	29.1	87.7	94.1	96.0	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 2500	29.1	87.7	94.1	96.0	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 2000	29.1	87.7	94.7	96.5	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1800	29.1	87.7	94.7	96.5	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1500	29.1	88.0	95.2	97.1	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1200	29.1	88.0	95.5	97.6	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	29.1	88.0	95.5	97.6	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 900	29.1	88.0	95.5	97.6	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	29.1	88.0	95.5	97.6	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	29.1	88.0	95.5	97.6	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	29.1	88.0	95.5	97.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	29.1	88.0	95.5	97.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	29.1	88.0	95.5	97.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	29.1	88.0	95.5	97.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	29.1	88.0	95.5	97.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	29.1	88.0	95.5	97.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	29.1	88.0	95.5	97.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 374

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROSTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUN HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	35.6	87.1	93.1	94.8	96.1	96.4	96.4	96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9	97.0
GE 4500	35.6	87.1	93.1	94.8	96.1	96.4	96.4	96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9	97.0
GE 4000	35.6	87.1	93.1	94.8	96.1	96.4	96.4	96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9	97.0
GE 3500	35.6	87.1	93.1	94.8	96.1	96.4	96.4	96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9	97.0
GE 3000	35.6	87.1	93.2	94.8	96.1	96.5	96.5	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.1
GE 2500	35.9	87.5	93.5	95.2	96.5	96.8	96.8	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.4
GE 2000	36.8	88.6	94.7	96.4	97.7	98.1	98.1	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.7
GE 1800	36.9	88.7	94.9	96.6	97.9	98.2	98.2	98.5	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.8
GE 1500	37.1	89.1	95.5	97.2	98.5	98.9	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.5
GE 1200	37.1	89.1	95.5	97.3	98.6	99.0	99.0	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.6
GE 1000	37.1	89.2	95.6	97.4	98.7	99.1	99.1	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.7
GE 900	37.1	89.2	95.6	97.4	98.7	99.1	99.1	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.7
GE 800	37.1	89.2	95.6	97.4	98.8	99.2	99.2	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.8
GE 700	37.1	89.2	95.6	97.4	98.9	99.3	99.3	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9
GE 600	37.1	89.2	95.6	97.4	98.9	99.3	99.3	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 500	37.1	89.2	95.6	97.4	98.9	99.3	99.3	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 400	37.1	89.2	95.6	97.4	98.9	99.3	99.3	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 300	37.1	89.2	95.6	97.4	98.9	99.3	99.3	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 200	37.1	89.2	95.6	97.4	98.9	99.3	99.3	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 100	37.1	89.2	95.6	97.4	98.9	99.3	99.3	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 000	37.1	89.2	95.6	97.4	98.9	99.3	99.3	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 3504

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROSTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: 00-02

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE	5000	19.0	84.4	90.6	92.7	95.6	97.1	97.1	97.7	98.4	98.4	98.4	98.7	98.7	98.7	98.7	99.0
GE	4500	19.0	84.4	90.6	92.7	95.6	97.1	97.1	97.7	98.4	98.4	98.4	98.7	98.7	98.7	98.7	99.0
GE	4000	19.0	84.4	90.6	92.7	95.6	97.1	97.1	97.7	98.4	98.4	98.4	98.7	98.7	98.7	98.7	99.0
GE	3500	19.0	84.4	90.6	92.7	95.6	97.1	97.1	97.7	98.4	98.4	98.4	98.7	98.7	98.7	98.7	99.0
GE	3000	19.0	84.4	90.6	92.7	95.6	97.1	97.1	97.7	98.4	98.4	98.4	98.7	98.7	98.7	98.7	99.0
GE 2500																	
GE	2500	19.0	84.4	90.6	92.7	95.6	97.1	97.1	97.7	98.4	98.4	98.4	98.7	98.7	98.7	98.7	99.0
GE	2000	19.0	84.4	90.6	92.7	95.6	7.1	97.1	97.7	98.4	98.4	98.4	98.7	98.7	98.7	98.7	99.0
GE	1800	19.0	84.4	90.6	92.7	95.6	97.1	97.1	97.7	98.4	98.4	98.4	98.7	98.7	98.7	98.7	99.0
GE	1500	19.0	84.4	90.6	92.7	95.6	97.1	97.1	97.7	98.4	98.4	98.4	98.7	98.7	98.7	98.7	99.0
GE	1200	19.0	84.4	90.6	92.7	95.6	97.1	97.1	97.7	98.4	98.4	98.4	98.7	98.7	98.7	98.7	99.0
GE 1000																	
GE	1000	19.0	84.4	90.6	92.7	95.6	97.1	97.1	97.7	98.4	98.4	98.4	98.7	98.7	98.7	98.7	99.0
GE	900	19.0	84.4	90.6	92.7	95.6	97.1	97.1	97.7	98.4	98.4	98.4	98.7	98.7	98.7	98.7	99.0
GE	800	19.0	84.4	90.6	92.7	95.6	97.4	97.4	97.9	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.2
GE	700	19.0	84.4	90.6	92.7	95.6	97.7	97.7	98.2	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.5
GE	600	19.0	84.4	90.6	92.7	95.6	97.7	97.7	98.2	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.5
GE 500																	
GE	500	19.0	84.4	90.6	92.7	95.6	97.7	97.7	98.2	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.5
GE	400	19.0	84.4	90.6	92.7	95.6	97.7	97.7	98.2	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.5
GE	300	19.0	84.4	90.6	92.7	95.6	97.7	97.7	98.2	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.5
GE	200	19.0	84.4	90.6	92.7	95.6	97.7	97.7	98.2	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.5
GE	100	19.0	84.4	90.6	92.7	95.6	97.7	97.7	98.2	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.5
GE	000	19.0	84.4	90.6	92.7	95.6	97.7	97.7	98.2	99.0	99.0	99.0	99.2	99.2	99.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 385

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: 03-05

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	24.7	82.6	89.7	91.6	94.4	95.9	96.1	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6	98.1
GE 4500	24.7	82.6	89.7	91.6	94.4	95.9	96.1	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6	98.1
GE 4000	24.7	82.6	89.7	91.6	94.4	95.9	96.1	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6	98.1
GE 3500	24.7	82.6	89.7	91.6	94.4	95.9	96.1	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6	98.1
GE 3000	24.7	82.6	89.7	91.6	94.4	95.9	96.1	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6	98.1
GE 2500	24.7	82.6	89.7	91.6	94.4	96.1	96.3	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.3
GE 2000	24.7	82.6	89.7	91.6	94.6	96.3	96.6	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.5
GE 1800	24.7	82.6	89.7	91.6	94.6	96.3	96.6	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.5
GE 1500	24.7	82.6	89.7	91.6	94.6	96.3	96.6	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.5
GE 1200	24.7	82.6	89.7	91.6	94.8	96.6	96.8	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.7
GE 1000	24.7	82.6	89.7	91.6	95.1	97.0	97.2	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.1
GE 900	24.7	82.6	89.7	91.6	95.1	97.0	97.2	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.1
GE 800	24.7	82.6	89.7	91.6	95.1	97.0	97.2	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.4
GE 700	24.7	82.6	89.7	91.6	95.1	97.0	97.2	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.4
GE 600	24.7	82.6	89.7	91.6	95.1	97.0	97.2	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.4
GE 500	24.7	82.6	89.7	91.6	95.1	97.0	97.2	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.4
GE 400	24.7	82.6	89.7	91.6	95.1	97.0	97.2	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.4
GE 300	24.7	82.6	89.7	91.6	95.1	97.0	97.2	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.4
GE 200	24.7	82.6	89.7	91.6	95.1	97.0	97.2	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.4
GE 100	24.7	82.6	89.7	91.6	95.1	97.0	97.2	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.6
GE 000	24.7	82.6	89.7	91.6	95.1	97.0	97.2	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 465

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: 06-08

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	24.3	83.6	89.8	92.1	96.3	97.1	97.1	97.5	97.7	97.9	97.9	97.9	98.1	98.1	98.3	99.0
GE 4500	24.3	83.6	89.8	92.1	96.3	97.1	97.1	97.5	97.7	97.9	97.9	97.9	98.1	98.1	98.3	99.0
GE 4000	24.3	83.6	89.8	92.1	96.3	97.1	97.1	97.5	97.7	97.9	97.9	97.9	98.1	98.1	98.3	99.0
GE 3500	24.3	83.6	89.8	92.1	96.3	97.1	97.1	97.5	97.7	97.9	97.9	97.9	98.1	98.1	98.3	99.0
GE 3000	24.5	83.8	90.0	92.3	96.5	97.3	97.3	97.7	97.9	98.1	98.1	98.1	98.3	98.3	98.5	99.2
GE 2500	24.5	83.8	90.0	92.3	96.5	97.3	97.3	97.7	97.9	98.1	98.1	98.1	98.3	98.3	98.5	99.2
GE 2000	24.5	83.8	90.0	92.3	96.5	97.3	97.3	97.7	97.9	98.1	98.1	98.1	98.3	98.3	98.5	99.2
GE 1800	24.5	83.8	90.0	92.3	96.5	97.3	97.3	97.7	97.9	98.1	98.1	98.1	98.3	98.3	98.5	99.2
GE 1500	24.5	83.8	90.0	92.5	96.9	97.7	97.7	98.1	98.3	98.5	98.5	98.5	98.8	98.8	99.0	99.6
GE 1200	24.5	83.8	90.0	92.7	97.1	97.9	97.9	98.3	98.5	98.8	98.8	98.8	99.0	99.0	99.2	99.8
GE 1000	24.5	83.8	90.2	92.9	97.3	98.1	98.1	98.5	98.8	99.0	99.0	99.0	99.2	99.2	99.4	100.0
GE 900	24.5	83.8	90.2	92.9	97.3	98.1	98.1	98.5	98.8	99.0	99.0	99.0	99.2	99.2	99.4	100.0
GE 800	24.5	83.8	90.2	92.9	97.3	98.1	98.1	98.5	98.8	99.0	99.0	99.0	99.2	99.2	99.4	100.0
GE 700	24.5	83.8	90.2	92.9	97.3	98.1	98.1	98.5	98.8	99.0	99.0	99.0	99.2	99.2	99.4	100.0
GE 600	24.5	83.8	90.2	92.9	97.3	98.1	98.1	98.5	98.8	99.0	99.0	99.0	99.2	99.2	99.4	100.0
GE 500	24.5	83.8	90.2	92.9	97.3	98.1	98.1	98.5	98.8	99.0	99.0	99.0	99.2	99.2	99.4	100.0
GE 400	24.5	83.8	90.2	92.9	97.3	98.1	98.1	98.5	98.8	99.0	99.0	99.0	99.2	99.2	99.4	100.0
GE 300	24.5	83.8	90.2	92.9	97.3	98.1	98.1	98.5	98.8	99.0	99.0	99.0	99.2	99.2	99.4	100.0
GE 200	24.5	83.8	90.2	92.9	97.3	98.1	98.1	98.5	98.8	99.0	99.0	99.0	99.2	99.2	99.4	100.0
GE 100	24.5	83.8	90.2	92.9	97.3	98.1	98.1	98.5	98.8	99.0	99.0	99.0	99.2	99.2	99.4	100.0
GE 000	24.5	83.8	90.2	92.9	97.3	98.1	98.1	98.5	98.8	99.0	99.0	99.0	99.2	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 482

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: 09-11

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE 5000		27.2	85.7	94.2	95.2	95.9	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.5	96.7
GE 4500		27.2	85.7	94.2	95.2	95.9	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.5	96.7
GE 4000		27.2	85.7	94.2	95.2	95.9	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.5	96.7
GE 3500		27.2	85.7	94.2	95.2	95.9	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.5	96.7
GE 3000		27.2	85.7	94.2	95.2	95.9	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.5	96.7
GE 2500		27.4	85.9	94.8	95.9	96.5	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.1	97.3
GE 2000		27.6	86.3	95.2	96.5	97.7	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.3	98.5
GE 1800		27.8	86.5	95.4	96.7	97.9	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.5	98.8
GE 1500		28.0	86.7	95.6	97.3	98.5	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.4
GE 1200		28.0	86.7	95.6	97.5	98.8	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.4	99.6
GE 1000		28.0	86.7	95.6	97.7	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8	100.0
GE 900		28.0	86.7	95.6	97.7	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8	100.0
GE 800		28.0	86.7	95.6	97.7	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8	100.0
GE 700		28.0	86.7	95.6	97.7	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8	100.0
GE 600		28.0	86.7	95.6	97.7	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8	100.0
GE 500		28.0	86.7	95.6	97.7	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8	100.0
GE 400		28.0	86.7	95.6	97.7	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8	100.0
GE 300		28.0	86.7	95.6	97.7	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8	100.0
GE 200		28.0	86.7	95.6	97.7	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8	100.0
GE 100		28.0	86.7	95.6	97.7	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8	100.0
GE 000		28.0	86.7	95.6	97.7	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 482

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: 12-14

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE 5000		33.9	86.7	91.5	93.1	93.6	94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 4500		33.9	86.7	91.5	93.1	93.6	94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 4000		33.9	86.7	91.5	93.1	93.6	94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 3500		33.9	86.7	91.5	93.1	93.6	94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 3000		34.1	87.1	91.9	93.6	94.0	94.4	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 2500		34.5	87.7	92.7	94.8	95.2	95.6	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 2000		36.0	90.2	95.2	97.9	98.3	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1800		36.0	90.2	95.4	98.1	98.5	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1500		36.0	90.2	95.6	98.3	98.8	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200		36.0	90.2	95.6	98.8	99.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000		36.0	90.2	95.6	98.8	99.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900		36.0	90.2	95.6	98.8	99.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800		36.0	90.2	95.6	98.8	99.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700		36.0	90.2	95.6	98.8	99.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600		36.0	90.2	95.6	98.8	99.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500		36.0	90.2	95.6	98.8	99.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		36.0	90.2	95.6	98.8	99.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		36.0	90.2	95.6	98.8	99.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		36.0	90.2	95.6	98.8	99.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		36.0	90.2	95.6	98.8	99.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000		36.0	90.2	95.6	98.8	99.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 481

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	30.0	86.7	93.2	94.5	94.7	94.7	94.7	94.9	94.9	94.9	95.1	95.5	95.5	95.5	95.5	95.5
GE 4500	30.0	86.7	93.2	94.5	94.7	94.7	94.7	94.9	94.9	94.9	95.1	95.5	95.5	95.5	95.5	95.5
GE 4000	30.0	86.7	93.2	94.5	94.7	94.7	94.7	94.9	94.9	94.9	95.1	95.5	95.5	95.5	95.5	95.5
GE 3500	30.0	86.7	93.2	94.5	94.7	94.7	94.7	94.9	94.9	94.9	95.1	95.5	95.5	95.5	95.5	95.5
GE 3000	30.0	86.7	93.2	94.5	94.7	94.7	94.7	94.9	94.9	94.9	95.1	95.5	95.5	95.5	95.5	95.5
GE 2500	30.4	87.1	93.8	95.1	95.3	95.3	95.3	95.5	95.5	95.5	95.7	96.1	96.1	96.1	96.1	96.1
GE 2000	32.4	89.1	96.7	97.9	98.2	98.2	98.2	98.4	98.4	98.4	98.6	99.0	99.0	99.0	99.0	99.0
GE 1800	32.6	89.5	97.3	98.6	98.8	98.8	98.8	99.0	99.0	99.0	99.2	99.6	99.6	99.6	99.6	99.6
GE 1500	32.6	89.5	97.3	98.8	99.0	99.0	99.0	99.2	99.2	99.2	99.4	99.8	99.8	99.8	99.8	99.8
GE 1200	32.6	89.5	97.3	99.0	99.2	99.2	99.2	99.4	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0
GE 1000	32.6	89.5	97.3	99.0	99.2	99.2	99.2	99.4	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0
GE 900	32.6	89.5	97.3	99.0	99.2	99.2	99.2	99.4	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0
GE 800	32.6	89.5	97.3	99.0	99.2	99.2	99.2	99.4	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0
GE 700	32.6	89.5	97.3	99.0	99.2	99.2	99.2	99.4	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0
GE 600	32.6	89.5	97.3	99.0	99.2	99.2	99.2	99.4	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0
GE 500	32.6	89.5	97.3	99.0	99.2	99.2	99.2	99.4	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0
GE 400	32.6	89.5	97.3	99.0	99.2	99.2	99.2	99.4	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0
GE 300	32.6	89.5	97.3	99.0	99.2	99.2	99.2	99.4	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0
GE 200	32.6	89.5	97.3	99.0	99.2	99.2	99.2	99.4	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0
GE 100	32.6	89.5	97.3	99.0	99.2	99.2	99.2	99.4	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0
GE 000	32.6	89.5	97.3	99.0	99.2	99.2	99.2	99.4	99.4	99.4	99.6	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 487



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: 18-20

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE 5000		23.2	84.9	93.2	95.0	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 4500		23.2	84.9	93.2	95.0	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 4000		23.2	84.9	93.2	95.0	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 3500		23.2	84.9	93.2	95.0	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 3000		23.2	84.9	93.6	95.4	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 2500		23.2	84.9	93.6	95.4	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 2000		24.5	86.1	94.8	97.1	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1800		24.5	86.3	95.2	97.5	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1500		24.5	86.3	95.4	97.7	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200		24.5	86.3	95.4	97.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000		24.5	86.3	95.4	97.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900		24.5	86.3	95.4	97.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800		24.5	86.3	95.4	97.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700		24.5	86.3	95.4	97.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600		24.5	86.3	95.4	97.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500		24.5	86.3	95.4	97.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		24.5	86.3	95.4	97.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		24.5	86.3	95.4	97.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		24.5	86.3	95.4	97.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		24.5	86.3	95.4	97.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000		24.5	86.3	95.4	97.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 482

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	18.1	81.9	89.9	93.6	96.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 4500	18.1	81.9	89.9	93.6	96.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 4000	18.1	81.9	89.9	93.6	96.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 3500	18.1	81.9	89.9	93.6	96.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 3000	18.1	81.9	89.9	93.6	96.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 2500	18.4	82.4	90.4	94.1	97.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 2000	18.4	82.4	90.4	94.1	97.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1800	18.4	82.4	90.4	94.1	97.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1500	18.4	82.4	90.4	94.1	97.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200	18.4	82.4	90.7	94.4	97.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	18.4	82.4	90.7	94.4	97.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 900	18.4	82.4	90.7	94.4	97.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	18.4	82.4	90.7	94.4	97.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	18.4	82.4	90.7	94.4	97.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	18.4	82.4	90.7	94.4	97.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	18.4	82.4	90.7	94.4	97.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	18.4	82.4	90.7	94.4	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	18.4	82.4	90.7	94.4	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	18.4	82.4	90.7	94.4	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	18.4	82.4	90.7	94.4	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	18.4	8.4	90.7	94.4	97.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 375

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROSTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL HOURS: ALL

CEILING		VISIBILITY IN METERS															
IN	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	112	90	80	0	48	40	32	24	20	16	12	10	08	06	04	00	
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE 5000	25.4	84.6	91.6	93.5	95.4	96.2	96.3	96.6	96.8	96.8	96.8	96.9	96.9	96.9	97.0	97.2	
GE 4500	25.4	84.6	91.6	93.5	95.4	96.2	96.3	96.6	96.8	96.8	96.8	96.9	96.9	96.9	97.0	97.2	
GE 4000	25.4	84.6	91.6	93.5	95.4	96.2	96.3	96.6	96.8	96.8	96.8	96.9	96.9	96.9	97.0	97.2	
GE 3500	25.4	84.6	91.6	93.5	95.4	96.2	96.3	96.6	96.8	96.8	96.8	96.9	96.9	96.9	97.0	97.2	
GE 3000	25.5	84.7	91.7	93.7	95.6	96.4	96.4	96.7	96.9	96.9	96.9	97.0	97.1	97.1	97.1	97.3	
GE 2500	25.6	84.9	92.1	94.0	96.0	96.8	96.8	97.1	97.3	97.3	97.4	97.4	97.5	97.5	97.5	97.7	
GE 2000	26.3	85.8	93.0	95.1	97.2	98.0	98.0	98.3	98.5	98.5	98.6	98.7	98.7	98.7	98.7	98.9	
GE 1800	26.4	85.9	93.2	95.3	97.4	98.2	98.2	98.5	98.7	98.7	98.8	98.8	98.9	98.9	98.9	99.1	
GE 1500	26.4	85.9	93.3	95.5	97.6	98.4	98.5	98.8	99.0	99.0	99.0	99.1	99.1	99.1	99.2	99.4	
GE 1200	26.4	85.9	93.3	95.7	97.8	98.7	98.7	99.0	99.2	99.2	99.2	99.3	99.3	99.3	99.4	99.6	
GE 1000	26.4	85.9	93.3	95.7	97.9	98.8	98.8	99.1	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.7	
GE 900	26.4	85.9	93.3	95.7	97.9	98.8	98.8	99.1	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.7	
GE 800	26.4	85.9	93.3	95.7	97.9	98.8	98.9	99.2	99.4	99.4	99.5	99.5	99.6	99.6	99.6	99.8	
GE 700	26.4	85.9	93.3	95.7	97.9	98.9	98.9	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.8	
GE 600	26.4	85.9	93.3	95.7	97.9	98.9	98.9	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.8	
GE 500	26.4	85.9	93.3	95.7	97.9	98.9	98.9	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.8	
GE 400	26.4	85.9	93.3	95.7	98.0	98.9	98.9	99.3	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.9	
GE 300	26.4	85.9	93.3	95.7	98.0	98.9	98.9	99.3	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.9	
GE 200	26.4	85.9	93.3	95.7	98.0	98.9	98.9	99.3	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.9	
GE 100	26.4	85.9	93.3	95.7	98.0	98.9	98.9	99.3	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.9	
GE 000	26.4	85.9	93.3	95.7	98.0	98.9	98.9	99.3	99.5	99.5	99.5	99.6	99.6	99.6	99.7	100.0	

TOTAL NUMBER OF OBSERVATIONS 3639

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG HOURS: 00-02

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE	5000	18.4	85.3	91.4	93.6	96.5	97.1	97.1	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE	4500	18.4	85.3	91.4	93.6	96.5	97.1	97.1	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE	4000	18.4	85.3	91.4	93.6	96.5	97.1	97.1	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE	3500	18.4	85.3	91.4	93.6	96.5	97.1	97.1	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE	3000	18.4	85.3	91.4	93.6	96.5	97.1	97.1	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE	2500	18.4	85.3	91.4	93.6	96.5	97.1	97.1	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE	2000	18.4	85.8	92.0	94.1	97.1	97.6	97.6	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE	1800	19.0	86.4	92.5	94.7	97.6	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE	1500	19.0	86.6	92.8	94.9	97.9	98.4	98.4	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE	1200	19.0	86.6	92.8	94.9	97.9	98.4	98.4	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE	1000	19.0	86.6	92.8	94.9	97.9	98.4	98.4	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE	900	19.0	86.6	92.8	94.9	97.9	98.4	98.4	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE	800	19.0	86.6	92.8	94.9	98.1	98.7	98.7	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE	700	19.0	86.6	92.8	94.9	98.1	98.7	98.7	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE	600	19.0	86.6	92.8	94.9	98.1	98.7	98.7	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE	500	19.0	86.6	92.8	95.5	98.7	99.2	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	400	19.0	86.6	92.8	95.5	98.7	99.2	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	300	19.0	86.6	92.8	95.5	98.7	99.2	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	200	19.0	86.6	92.8	95.5	98.7	99.2	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	100	19.0	86.6	92.8	95.5	98.7	99.2	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	000	19.0	86.6	92.8	95.5	98.7	99.2	99.2	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 374

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG HOURS: 03-05

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	18.7	85.8	91.7	94.1	95.9	96.6	96.6	97.1	97.1	97.1	97.3	97.3	97.3	97.5	97.5	98.0
GE 4500	18.7	85.8	91.7	94.1	95.9	96.6	96.6	97.1	97.1	97.1	97.3	97.3	97.3	97.5	97.5	98.0
GE 4000	18.7	85.8	91.7	94.1	95.9	96.6	96.6	97.1	97.1	97.1	97.3	97.3	97.3	97.5	97.5	98.0
GE 3500	18.7	85.8	91.7	94.1	5.9	96.6	96.6	97.1	97.1	97.1	97.3	97.3	97.3	97.5	97.5	98.0
GE 3000	18.7	85.8	91.7	94.1	95.9	96.6	96.6	97.1	97.1	97.1	97.3	97.3	97.3	97.5	97.5	98.0
GE 2500	18.7	85.8	91.9	94.4	96.2	96.8	96.8	97.3	97.3	97.3	97.5	97.5	97.5	97.7	97.7	98.2
GE 2000	18.7	86.0	92.1	94.6	96.4	97.1	97.1	97.5	97.5	97.5	97.7	97.7	97.7	98.0	98.0	98.4
GE 1800	18.7	86.0	92.3	94.8	96.6	97.3	97.3	97.7	97.7	97.7	98.0	98.0	98.0	98.2	98.2	98.6
GE 1500	18.7	86.3	92.8	95.3	97.1	97.7	97.7	98.2	98.2	98.2	98.4	98.4	98.4	98.6	98.6	99.1
GE 1200	18.7	86.3	92.8	95.3	97.1	97.7	97.7	98.2	98.2	98.2	98.4	98.4	98.4	98.6	98.6	99.1
GE 1000	18.7	86.3	93.0	95.5	97.3	98.0	98.0	98.4	98.4	98.4	98.6	98.6	98.6	98.9	98.9	99.1
GE 900	18.7	86.3	93.0	95.5	97.3	98.0	98.0	98.4	98.4	98.4	98.6	98.6	98.6	98.9	98.9	99.3
GE 800	18.7	86.3	93.0	95.5	97.5	98.2	98.2	98.9	98.9	98.9	99.1	99.1	99.1	99.3	99.3	99.8
GE 700	18.7	86.3	93.0	95.5	97.5	98.2	98.2	98.9	98.9	98.9	99.1	99.1	99.1	99.3	99.3	99.8
GE 600	18.7	86.3	93.0	95.5	97.5	98.2	98.2	98.9	98.9	98.9	99.1	99.1	99.1	99.3	99.3	99.8
GE 500	18.7	86.3	93.0	95.7	97.7	98.4	98.4	99.1	99.1	99.1	99.3	99.3	99.3	99.5	99.5	100.0
GE 400	18.7	86.3	93.0	95.7	97.7	98.4	98.4	99.1	99.1	99.1	99.3	99.3	99.3	99.5	99.5	100.0
GE 300	18.7	86.3	93.0	95.7	97.7	98.4	98.4	99.1	99.1	99.1	99.3	99.3	99.3	99.5	99.5	100.0
GE 200	18.7	86.3	93.0	95.7	97.7	98.4	98.4	99.1	99.1	99.1	99.3	99.3	99.3	99.5	99.5	100.0
GE 100	18.7	86.3	93.0	95.7	97.7	98.4	98.4	99.1	99.1	99.1	99.3	99.3	99.3	99.5	99.5	100.0
GE 000	18.7	86.3	93.0	95.7	97.7	98.4	98.4	99.1	99.1	99.1	99.3	99.3	99.3	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 444

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG HOURS: 06-08

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE	20000																
GE	18000																
GE	16000																
GE	14000																
GE	12000																
GE	10000																
GE	9000																
GE	8000																
GE	7000																
GE	6000																
GE	5000	27.2	86.7	92.5	94.0	96.0	96.7	96.7	96.9	96.9	96.9	96.9	96.9	97.1	97.1	97.1	97.3
GE	4500	27.2	86.7	92.5	94.0	96.0	96.7	96.7	96.9	96.9	96.9	96.9	96.9	97.1	97.1	97.1	97.3
GE	4000	27.2	86.7	92.5	94.0	96.0	96.7	96.7	96.9	96.9	96.9	96.9	96.9	97.1	97.1	97.1	97.3
GE	3500	27.2	86.7	92.5	94.0	96.0	96.7	96.7	96.9	96.9	96.9	96.9	96.9	97.1	97.1	97.1	97.3
GE	3000	27.2	86.7	92.5	94.0	96.0	96.7	96.7	96.9	96.9	96.9	96.9	96.9	97.1	97.1	97.1	97.3
GE	2500	27.2	86.7	92.5	94.0	96.0	96.7	96.7	96.9	96.9	96.9	96.9	96.9	97.1	97.1	97.1	97.3
GE	2000	27.2	86.9	93.1	94.7	96.7	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.8	97.8	97.8	98.0
GE	1800	27.4	87.2	94.0	95.6	97.6	98.2	98.2	98.5	98.5	98.5	98.5	98.5	98.7	98.7	98.7	98.9
GE	1500	27.7	87.4	94.2	95.8	97.8	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.9	98.9	98.9	99.1
GE	1200	27.7	87.4	94.2	95.8	97.8	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.9	98.9	98.9	99.1
GE	1000	27.7	87.4	94.5	96.0	98.5	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.6	99.6	99.6	99.8
GE	900	27.7	87.4	94.5	96.0	98.5	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.6	99.6	99.6	99.8
GE	800	27.7	87.4	94.5	96.0	98.7	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	100.0
GE	700	27.7	87.4	94.5	96.0	98.7	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	100.0
GE	600	27.7	87.4	94.5	96.0	98.7	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	100.0
GE	500	27.7	87.4	94.5	96.0	98.7	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	100.0
GE	400	27.7	87.4	94.5	96.0	98.7	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	100.0
GE	300	27.7	87.4	94.5	96.0	98.7	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	100.0
GE	200	27.7	87.4	94.5	96.0	98.7	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	100.0
GE	100	27.7	87.4	94.5	96.0	98.7	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	100.0
GE	000	27.7	87.4	94.5	96.0	98.7	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 452

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG HOURS: 09-11

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE 5000		34.4	88.9	93.9	94.3	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 4500		34.4	88.9	93.9	94.3	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 4000		34.4	88.9	93.9	94.3	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 3500		34.4	88.9	93.9	94.3	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 3000		34.4	88.9	93.9	94.3	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 2500		34.4	88.9	93.9	94.3	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 2000		35.5	90.0	95.0	95.7	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1800		35.5	90.0	95.0	96.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1500		35.5	90.3	95.2	96.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1200		35.7	90.5	95.7	97.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000		35.7	90.5	95.7	97.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900		35.7	90.5	95.7	97.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800		35.7	90.5	95.7	97.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700		35.7	90.5	95.7	97.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600		35.7	90.5	95.7	97.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500		35.7	90.5	95.7	97.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		35.7	90.5	95.7	97.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		35.7	90.5	95.7	97.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		35.7	90.5	95.7	97.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		35.7	90.5	95.7	97.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000		35.7	90.5	95.7	97.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 442

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG HOURS: 12-14

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	33.8	85.1	90.3	90.8	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 4500	33.8	85.1	90.3	90.8	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 4000	33.8	85.1	90.3	90.8	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 3500	33.8	85.1	90.3	90.8	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 3000	34.0	85.4	90.5	91.0	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 2500	34.7	86.0	91.2	91.7	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 2000	36.5	89.0	94.4	94.8	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1800	36.9	89.6	95.5	95.9	97.3	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1500	37.6	90.5	96.4	96.8	98.9	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1200	37.8	90.8	96.6	97.1	99.3	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	37.8	90.8	96.6	97.1	99.3	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	37.8	90.8	96.6	97.1	99.3	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	37.8	90.8	96.6	97.1	99.3	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	37.8	90.8	96.6	97.1	99.3	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	37.8	90.8	96.6	97.1	99.3	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	37.8	90.8	96.6	97.1	99.3	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	37.8	90.8	96.6	97.1	99.3	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	37.8	90.8	96.6	97.1	99.3	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	37.3	90.8	96.6	97.1	99.3	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	37.8	90.8	96.6	97.1	99.3	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	37.8	90.8	96.6	97.1	99.3	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 444



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG HOURS: 15-17

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE 5000		26.7	85.4	91.7	93.5	94.6	94.8	94.8	94.8	94.8	94.8	95.1	95.1	95.1	95.1	95.1	95.1
GE 4500		26.7	85.4	91.7	93.5	94.6	94.8	94.8	94.8	94.8	94.8	95.1	95.1	95.1	95.1	95.1	95.1
GE 4000		26.7	85.4	91.7	93.5	94.6	94.8	94.8	94.8	94.8	94.8	95.1	95.1	95.1	95.1	95.1	95.1
GE 3500		26.7	85.4	91.7	93.5	94.6	94.8	94.8	94.8	94.8	94.8	95.1	95.1	95.1	95.1	95.1	95.1
GE 3000		27.6	86.3	92.6	94.4	95.5	95.7	95.7	95.7	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0
GE 2500		28.0	87.4	93.7	95.5	96.6	96.9	96.9	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1
GE 2000		28.9	89.0	95.5	97.3	98.4	98.7	98.7	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9
GE 1800		28.9	89.0	95.7	97.8	98.9	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
GE 1500		29.4	89.5	96.2	98.2	99.3	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200		29.4	89.5	96.2	98.2	99.3	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000		29.4	89.5	96.2	98.2	99.3	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 900		29.4	89.5	96.2	98.2	99.3	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 800		29.4	89.5	96.2	98.2	99.3	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 700		29.4	89.5	96.2	98.2	99.3	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 600		29.4	89.5	96.2	98.2	99.3	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 500		29.4	89.5	96.2	98.2	99.3	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		29.4	89.5	96.2	98.2	99.3	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		29.4	89.5	96.2	98.2	99.3	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		29.4	89.5	96.2	98.2	99.3	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		29.4	89.5	96.2	98.2	99.3	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 000		29.4	89.5	96.2	98.2	99.3	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 446

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	21.9	82.9	90.1	94.0	95.8	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 4500	21.9	82.9	90.1	94.0	95.8	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 4000	21.9	82.9	90.1	94.0	95.8	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 3500	21.9	82.9	90.1	94.0	95.8	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 3000	23.1	84.3	91.5	95.4	97.2	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 2500	23.8	85.0	92.1	96.1	97.9	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 2000	23.8	85.9	93.1	97.0	98.8	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1800	23.8	85.9	93.1	97.0	98.8	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1500	23.8	85.9	93.1	97.0	98.8	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1200	23.8	85.9	93.3	97.2	99.1	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	23.8	85.9	93.3	97.2	99.1	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 900	23.8	85.9	93.3	97.2	99.1	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	23.8	85.9	93.5	97.5	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	23.8	85.9	93.5	97.5	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	23.8	85.9	93.5	97.5	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	23.8	85.9	93.5	97.5	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	23.8	85.9	93.5	97.5	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	23.8	85.9	93.5	97.5	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	23.8	85.9	93.5	97.5	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	23.8	85.9	93.5	97.5	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	23.8	85.9	93.5	97.5	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 433

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG HOURS: 21-23

CEILING		VISIBILITY IN METERS															
IN FEET		GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE 5000		18.8	84.2	90.5	94.6	97.8	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 4500		18.8	84.2	90.5	94.6	97.8	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 4000		18.8	84.2	90.5	94.6	97.8	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 3500		18.8	84.2	90.5	94.6	97.8	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 3000		18.8	84.2	90.5	94.6	97.8	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 2500		18.8	84.2	90.5	94.6	97.8	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 2000		18.8	84.8	91.0	95.1	98.4	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1800		18.8	84.8	91.0	95.1	98.4	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1500		18.8	84.8	91.3	95.4	98.6	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200		18.8	84.8	91.3	95.4	98.6	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000		18.8	84.8	91.3	95.4	98.6	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 900		18.8	84.8	91.3	95.4	98.6	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 800		18.8	84.8	91.3	95.4	98.9	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700		18.8	84.8	91.3	95.4	98.9	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600		18.8	84.8	91.3	95.4	98.9	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500		18.8	84.8	91.3	95.4	98.9	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		18.8	84.8	91.3	95.4	98.9	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		18.8	84.8	91.3	95.4	98.9	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		18.8	84.8	91.3	95.4	98.9	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		18.8	84.8	91.3	95.4	98.9	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000		18.8	84.8	91.3	95.4	98.9	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 368

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG HOURS: ALL

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE 5000	25.3	85.6	91.5	93.6	95.5	95.9	95.9	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.3
GE 4500	25.3	85.6	91.5	93.6	95.5	95.9	95.9	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.3
GE 4000	25.3	85.6	91.5	93.6	95.5	95.9	95.9	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.3
GE 3500	25.3	85.6	91.5	93.6	95.5	95.9	95.9	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.3
GE 3000	25.6	85.9	91.9	93.9	95.9	96.2	96.2	96.4	96.4	96.4	96.5	96.5	96.5	96.6	96.6	96.6	96.7
GE 2500	25.8	86.2	92.2	94.3	96.2	96.6	96.6	96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	97.0
GE 2000	26.3	87.3	93.4	95.4	97.4	97.8	97.8	97.9	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.2
GE 1800	26.4	87.5	93.7	95.9	97.9	98.3	98.3	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.7
GE 1500	26.6	87.7	94.1	96.3	98.4	98.8	98.8	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.2
GE 1200	26.7	87.8	94.2	96.4	98.6	99.0	99.0	99.2	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.5
GE 1000	26.7	87.8	94.3	96.5	98.7	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.7
GE 900	26.7	87.8	94.3	96.5	98.7	99.2	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7
GE 800	26.7	87.8	94.3	96.5	98.9	99.4	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9
GE 700	26.7	87.8	94.3	96.5	98.9	99.4	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9
GE 600	26.7	87.8	94.3	96.5	98.9	99.4	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9
GE 500	26.7	87.8	94.3	96.6	99.0	99.4	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 400	26.7	87.8	94.3	96.6	99.0	99.4	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 300	26.7	87.8	94.3	96.6	99.0	99.4	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 200	26.7	87.8	94.3	96.6	99.0	99.4	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 100	26.7	87.8	94.3	96.6	99.0	99.4	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 000	26.7	87.8	94.3	96.6	99.0	99.4	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTL NUMBER OF OBSERVATIONS 3403

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONA ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: 00-02

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	26.3	79.3	85.8	90.4	95.5	96.3	96.3	96.6	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 4500	26.3	79.3	85.8	90.4	95.5	96.3	96.3	96.6	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 4000	26.3	79.3	85.8	90.4	95.5	96.3	96.3	96.6	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 3500	26.3	79.3	85.8	90.4	95.5	96.3	96.3	96.6	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 3000	26.3	79.3	85.8	90.4	95.5	96.3	96.3	96.6	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 2500	26.3	79.6	86.1	90.7	95.8	96.6	96.6	96.9	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 2000	26.3	79.6	86.1	90.9	96.0	96.9	96.9	97.2	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1800	26.3	79.6	86.1	91.5	96.6	97.5	97.5	97.7	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1500	26.3	79.6	86.1	91.5	96.9	98.0	98.0	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200	26.3	79.9	86.4	91.8	97.2	98.3	98.3	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000	26.3	79.9	86.4	92.1	97.5	98.6	98.6	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	26.3	79.9	86.4	92.1	97.5	98.6	98.6	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	26.3	79.9	86.4	92.1	97.5	98.6	98.6	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	26.3	79.9	86.4	92.1	97.5	98.6	98.6	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	26.3	79.9	86.4	92.1	97.5	98.6	98.6	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	26.3	79.9	86.4	92.1	97.7	98.9	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	26.3	79.9	86.4	92.1	97.7	98.9	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	26.3	79.9	86.4	92.1	97.7	98.9	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	26.3	79.9	86.4	92.1	97.7	98.9	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	26.3	79.9	86.4	92.1	97.7	98.9	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	26.3	79.9	86.4	92.1	97.7	98.9	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 353

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: 03-05

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	29.4	79.4	85.9	89.5	94.3	94.3	94.3	95.2	95.5	95.5	95.7	95.9	95.9	95.9	96.2	96.7
GE 4500	29.4	79.4	85.9	89.5	94.3	94.3	94.3	95.2	95.5	95.5	95.7	95.9	95.9	95.9	96.2	96.7
GE 4000	29.4	79.4	85.9	89.5	94.3	94.3	94.3	95.2	95.5	95.5	95.7	95.9	95.9	95.9	96.2	96.7
GE 3500	29.4	79.4	85.9	89.5	94.3	94.3	94.3	95.2	95.5	95.5	95.7	95.9	95.9	95.9	96.2	96.7
GE 3000	29.4	79.4	85.9	89.5	94.3	94.3	94.3	95.2	95.5	95.5	95.7	95.9	95.9	95.9	96.2	96.7
GE 2500	29.4	79.4	85.9	89.5	94.3	94.3	94.3	95.2	95.5	95.5	95.7	95.9	95.9	95.9	96.2	96.7
GE 2000	29.7	79.9	86.4	90.0	94.7	94.7	94.7	95.7	95.9	95.9	96.2	96.4	96.4	96.4	96.7	97.1
GE 1800	29.7	79.9	86.6	90.2	95.0	95.0	95.0	95.9	96.2	96.2	96.4	96.7	96.7	96.7	96.9	97.4
GE 1500	29.7	79.9	86.8	90.4	95.2	95.2	95.2	96.2	96.4	96.4	96.7	96.9	96.9	96.9	97.1	97.6
GE 1200	29.7	80.1	87.3	90.9	95.7	95.7	95.7	96.7	96.9	96.9	97.1	97.4	97.4	97.4	97.6	98.1
GE 1000	29.7	80.1	87.3	91.6	96.9	96.9	96.9	98.1	98.3	98.3	98.6	98.8	98.8	98.8	99.0	99.5
GE 900	29.7	80.1	87.3	91.6	96.9	96.9	96.9	98.1	98.3	98.3	98.6	98.8	98.8	98.8	99.0	99.5
GE 800	29.7	80.1	87.3	91.6	96.9	97.1	97.1	98.3	98.6	98.6	98.8	99.0	99.0	99.0	99.3	99.8
GE 700	29.7	80.1	87.3	91.6	96.9	97.1	97.1	98.3	98.6	98.6	98.8	99.0	99.0	99.0	99.3	99.8
GE 600	29.7	80.1	87.3	91.6	96.9	97.1	97.1	98.3	98.8	98.8	99.0	99.3	99.3	99.3	99.5	100.0
GE 500	29.7	80.1	87.3	91.6	96.9	97.1	97.1	98.3	98.8	98.8	99.0	99.3	99.3	99.3	99.5	100.0
GE 400	29.7	80.1	87.3	91.6	96.9	97.1	97.1	98.3	98.8	98.8	99.0	99.3	99.3	99.3	99.5	100.0
GE 300	29.7	80.1	87.3	91.6	96.9	97.1	97.1	98.3	98.8	98.8	99.0	99.3	99.3	99.3	99.5	100.0
GE 200	29.7	80.1	87.3	91.6	96.9	97.1	97.1	98.3	98.8	98.8	99.0	99.3	99.3	99.3	99.5	100.0
GE 100	29.7	80.1	87.3	91.6	96.9	97.1	97.1	98.3	98.8	98.8	99.0	99.3	99.3	99.3	99.5	100.0
GE 000	29.7	80.1	87.3	91.6	96.9	97.1	97.1	98.3	98.8	98.8	99.0	99.3	99.3	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 418

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: 06-08

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	31.3	77.7	86.7	89.3	91.9	93.1	93.1	94.1	94.8	94.8	95.0	95.0	95.3	95.3	95.7	97.4
GE 4500	31.3	77.7	86.7	89.3	91.9	93.1	93.1	94.1	94.8	94.8	95.0	95.0	95.3	95.3	95.7	97.4
GE 4000	31.3	77.7	86.7	89.3	91.9	93.1	93.1	94.1	94.8	94.8	95.0	95.0	95.3	95.3	95.7	97.4
GE 3500	31.3	77.7	86.7	89.3	91.9	93.1	93.1	94.1	94.8	94.8	95.0	95.0	95.3	95.3	95.7	97.4
GE 3000	31.3	77.7	86.7	89.3	91.9	93.1	93.1	94.1	94.8	94.8	95.0	95.0	95.3	95.3	95.7	97.4
GE 2500	31.3	77.7	86.7	89.3	91.9	93.1	93.1	94.1	94.8	94.8	95.0	95.0	95.3	95.3	95.7	97.4
GE 2000	31.8	78.4	87.4	90.0	92.7	93.8	93.8	94.8	95.5	95.5	95.7	95.7	96.0	96.0	96.4	98.1
GE 1800	31.8	78.4	87.4	90.0	92.7	93.8	93.8	94.8	95.5	95.5	95.7	95.7	96.0	96.0	96.4	98.1
GE 1500	31.8	78.9	88.2	90.8	93.4	94.5	94.5	95.5	96.2	96.2	96.4	96.4	96.7	96.7	97.2	98.8
GE 1200	31.8	79.1	88.4	91.0	93.8	95.0	95.0	96.0	96.7	96.7	96.9	96.9	97.2	97.2	97.6	99.3
GE 1000	31.8	79.4	88.6	91.2	94.1	95.3	95.3	96.2	96.9	96.9	97.2	97.2	97.4	97.4	97.9	99.5
GE 900	31.8	79.4	88.6	91.2	94.1	95.3	95.3	96.2	96.9	96.9	97.2	97.2	97.4	97.4	97.9	99.5
GE 800	31.8	79.4	88.6	91.2	94.3	95.5	95.5	96.4	97.2	97.2	97.4	97.4	97.6	97.6	98.1	99.8
GE 700	31.8	79.4	88.6	91.2	94.3	95.5	95.5	96.4	97.2	97.2	97.4	97.4	97.6	97.6	98.1	99.8
GE 600	31.8	79.4	88.6	91.2	94.3	95.5	95.5	96.7	97.4	97.4	97.6	97.6	97.9	97.9	98.3	100.0
GE 500	31.8	79.4	88.6	91.2	94.3	95.5	95.5	96.7	97.4	97.4	97.6	97.6	97.9	97.9	98.3	100.0
GE 400	31.8	79.4	88.6	91.2	94.3	95.5	95.5	96.7	97.4	97.4	97.6	97.6	97.9	97.9	98.3	100.0
GE 300	31.8	79.4	88.6	91.2	94.3	95.5	95.5	96.7	97.4	97.4	97.6	97.6	97.9	97.9	98.3	100.0
GE 200	31.8	79.4	88.6	91.2	94.3	95.5	95.5	96.7	97.4	97.4	97.6	97.6	97.9	97.9	98.3	100.0
GE 100	31.8	79.4	88.6	91.2	94.3	95.5	95.5	96.7	97.4	97.4	97.6	97.6	97.9	97.9	98.3	100.0
GE 000	31.8	79.4	88.6	91.2	94.3	95.5	95.5	96.7	97.4	97.4	97.6	97.6	97.9	97.9	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 422

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	35.9	78.4	90.4	92.3	94.1	95.1	95.1	95.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 4500	35.9	78.4	90.4	92.3	94.1	95.1	95.1	95.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 4000	35.9	78.4	90.4	92.3	94.1	95.1	95.1	95.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 3500	35.9	78.4	90.4	92.3	94.1	95.1	95.1	95.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 3000	35.9	78.4	90.6	92.5	94.4	95.3	95.3	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 2500	35.9	78.4	90.6	92.5	94.4	95.3	95.3	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 2000	36.6	79.3	92.3	94.1	96.0	96.9	96.9	96.9	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1800	37.1	79.8	93.0	94.8	96.7	97.7	97.7	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1500	37.3	80.5	94.1	96.0	97.9	98.8	98.8	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1200	37.3	80.8	94.4	96.2	98.6	99.5	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	37.3	80.8	94.4	96.2	98.6	99.5	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	37.3	80.8	94.4	96.2	98.6	99.5	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	37.3	80.8	94.4	96.2	98.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	37.3	80.8	94.4	96.2	98.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	37.3	80.8	94.4	96.2	98.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	37.3	80.8	94.4	96.2	98.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	37.3	80.8	94.4	96.2	98.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	37.3	80.8	94.4	96.2	98.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	37.3	80.8	94.4	96.2	98.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	37.3	80.8	94.4	96.2	98.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	37.3	80.8	94.4	96.2	98.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 426



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	41.0	79.4	89.8	90.3	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 4500	41.0	79.4	89.8	90.3	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 4000	41.0	79.4	89.8	90.3	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 3500	41.0	79.4	89.8	90.3	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 3000	41.0	79.4	89.8	90.3	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 2500	41.2	80.1	90.5	91.0	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 2000	43.3	82.4	93.5	94.0	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 1800	43.5	83.1	94.7	95.1	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1500	43.5	83.6	95.8	96.5	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1200	43.5	83.6	95.8	96.5	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	43.5	83.6	95.8	96.5	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	43.5	83.6	95.8	96.5	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	43.5	83.6	95.8	96.5	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	43.5	83.6	95.8	96.5	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	43.5	83.6	95.8	96.5	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	43.5	83.6	95.8	96.5	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	43.5	83.6	95.8	96.5	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	43.5	83.6	95.8	96.5	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	43.5	83.6	95.8	96.5	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	43.5	83.6	95.8	96.5	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	43.5	83.6	95.8	96.5	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 432

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	34.2	78.7	88.1	89.9	92.3	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 4500	34.2	78.7	88.1	89.9	92.3	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 4000	34.2	78.7	88.1	89.9	92.3	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 3500	34.2	78.7	88.1	89.9	92.3	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 3000	34.4	79.2	88.5	90.4	92.7	93.2	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 2500	34.7	79.4	88.8	90.9	93.2	93.7	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	94.1
GE 2000	36.8	82.0	91.3	93.4	96.0	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	97.0
GE 1800	37.0	82.7	92.7	94.8	97.4	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.4
GE 1500	37.2	82.9	93.0	95.6	98.1	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.1
GE 1200	37.5	83.4	93.4	96.0	98.8	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.8
GE 1000	37.5	83.4	93.4	96.0	99.1	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 900	37.5	83.4	93.4	96.0	99.1	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 800	37.5	83.4	93.4	96.0	99.1	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 700	37.5	83.4	93.4	96.0	99.1	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 600	37.5	83.4	93.4	96.0	99.1	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 500	37.5	83.4	93.4	96.0	99.1	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 400	37.5	83.4	93.4	96.0	99.1	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 300	37.5	83.4	93.4	96.0	99.1	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 200	37.5	83.4	93.4	96.0	99.1	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 100	37.5	83.4	93.4	96.0	99.1	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 000	37.5	83.4	93.4	96.0	99.1	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 427

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	27.3	73.4	83.7	88.0	92.3	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	93.0
GE 4500	27.3	73.4	83.7	88.0	92.3	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	93.0
GE 4000	27.3	73.4	83.7	88.0	92.3	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	93.0
GE 3500	27.3	73.4	83.7	88.0	92.3	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	93.0
GE 3000	27.3	74.6	85.1	89.4	93.8	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.5
GE 2500	27.8	75.1	85.6	89.9	94.2	94.5	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	95.0
GE 2000	28.5	76.3	86.8	91.1	95.7	95.9	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.4
GE 1800	28.5	76.5	87.1	91.4	95.9	96.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.6
GE 1500	28.5	76.5	87.5	92.1	96.9	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.6
GE 1200	28.5	76.5	87.8	93.0	98.6	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.3
GE 1000	28.5	76.5	88.0	93.3	98.8	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.8
GE 900	28.5	76.5	88.0	93.3	98.8	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.8
GE 800	28.5	76.5	88.0	93.5	99.0	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 700	28.5	76.5	88.0	93.5	99.0	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 600	28.5	76.5	88.0	93.5	99.0	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 500	28.5	76.5	88.0	93.5	99.0	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 400	28.5	76.5	88.0	93.5	99.0	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 300	28.5	76.5	88.0	93.5	99.0	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 200	28.5	76.5	88.0	93.5	99.0	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 100	28.5	76.5	88.0	93.5	99.0	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 000	28.5	76.5	88.0	93.5	99.0	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 417

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: 21-23

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE	5000	25.8	76.4	85.0	90.3	95.0	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE	4500	25.8	76.4	85.0	90.3	95.0	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE	4000	25.8	76.4	85.0	90.3	95.0	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE	3500	25.8	76.4	85.0	90.3	95.0	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE	3000	26.1	76.7	85.6	90.8	95.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE	2500	26.4	76.9	85.8	91.1	95.8	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE	2000	26.9	77.5	86.4	91.7	96.4	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE	1800	26.9	77.5	86.7	92.2	97.2	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE	1500	26.9	77.5	86.7	92.2	97.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE	1200	26.9	77.5	86.9	92.5	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE	1000	26.9	77.5	86.9	92.8	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE	900	26.9	77.5	86.9	92.8	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE	800	26.9	77.5	87.2	93.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	700	26.9	77.5	87.2	93.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	600	26.9	77.5	87.2	93.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	500	26.9	77.5	87.2	93.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	400	26.9	77.5	87.2	93.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	300	26.9	77.5	87.2	93.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	200	26.9	77.5	87.2	93.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	100	26.9	77.5	87.2	93.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	000	26.9	77.5	87.2	93.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 360

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROSTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP HOURS: ALL

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE	5000	31.7	77.8	87.0	90.0	93.4	94.0	94.0	94.3	94.5	94.6	94.6	94.7	94.7	94.7	94.8	95.1
GE	4500	31.7	77.8	87.0	90.0	93.4	94.0	94.0	94.3	94.5	94.6	94.6	94.7	94.7	94.7	94.8	95.1
GE	4000	31.7	77.8	87.0	90.0	93.4	94.0	94.0	94.3	94.5	94.6	94.6	94.7	94.7	94.7	94.8	95.1
GE	3500	31.7	77.8	87.0	90.0	93.4	94.0	94.0	94.3	94.5	94.6	94.6	94.7	94.7	94.7	94.8	95.1
GE	3000	31.8	78.1	87.3	90.3	93.7	94.3	94.3	94.7	94.9	94.9	95.0	95.0	95.0	95.0	95.1	95.4
GE	2500	31.9	78.3	87.6	90.6	94.0	94.6	94.6	94.9	95.1	95.2	95.2	95.3	95.3	95.3	95.4	95.7
GE	2000	32.8	79.5	88.9	92.0	95.4	96.0	96.0	96.3	96.6	96.6	96.7	96.7	96.7	96.7	96.8	97.1
GE	1800	32.9	79.8	89.4	92.6	96.1	96.7	96.7	97.0	97.2	97.2	97.3	97.3	97.4	97.4	97.5	97.8
GE	1500	33.0	80.0	90.0	93.2	96.8	97.5	97.5	97.8	98.0	98.0	98.1	98.1	98.2	98.2	98.2	98.6
GE	1200	33.0	80.2	90.2	93.6	97.5	98.2	98.2	98.5	98.7	98.7	98.8	98.8	98.9	98.9	99.0	99.3
GE	1000	33.0	80.2	90.3	93.8	97.9	98.6	98.6	98.9	99.1	99.2	99.2	99.3	99.3	99.3	99.4	99.7
GE	900	33.0	80.2	90.3	93.8	97.9	98.6	98.6	98.9	99.1	99.2	99.2	99.3	99.3	99.3	99.4	99.7
GE	800	33.0	80.2	90.3	93.9	98.0	98.7	98.7	99.1	99.3	99.4	99.4	99.4	99.5	99.5	99.6	99.9
GE	700	33.0	80.2	90.3	93.9	98.0	98.7	98.7	99.1	99.3	99.4	99.4	99.4	99.5	99.5	99.6	99.9
GE	600	33.0	80.2	90.3	93.9	98.0	98.7	98.7	99.1	99.4	99.4	99.5	99.5	99.5	99.5	99.6	100.0
GE	500	33.0	80.2	90.3	93.9	98.0	98.8	98.8	99.2	99.4	99.4	99.5	99.5	99.6	99.6	99.7	100.0
GE	400	33.0	80.2	90.3	93.9	98.0	98.8	98.8	99.2	99.4	99.4	99.5	99.5	99.6	99.6	99.7	100.0
GE	300	33.0	80.2	90.3	93.9	98.0	98.8	98.8	99.2	99.4	99.4	99.5	99.5	99.6	99.6	99.7	100.0
GE	200	33.0	80.2	90.3	93.9	98.0	98.8	98.8	99.2	99.4	99.4	99.5	99.5	99.6	99.6	99.7	100.0
GE	100	33.0	80.2	90.3	93.9	98.0	98.8	98.8	99.2	99.4	99.4	99.5	99.5	99.6	99.6	99.7	100.0
GE	000	33.0	80.2	90.3	93.9	98.0	98.8	98.8	99.2	99.4	99.4	99.5	99.5	99.6	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 3255

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROSTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT HOURS: 00-02

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	24.0	72.4	79.7	84.1	88.3	89.1	89.1	89.1	89.3	89.6	89.6	89.6	89.6	90.1	90.1	90.9
GE 4500	24.0	72.4	79.7	84.1	88.3	89.1	89.1	89.1	89.3	89.6	89.6	89.6	89.6	90.1	90.1	90.9
GE 4000	24.0	72.4	79.7	84.1	88.3	89.1	89.1	89.1	89.3	89.6	89.6	89.6	89.6	90.1	90.1	90.9
GE 3500	24.0	72.4	79.7	84.1	88.3	89.1	89.1	89.1	89.3	89.6	89.6	89.6	89.6	90.1	90.1	90.9
GE 3000	24.0	72.4	79.7	84.1	88.3	89.1	89.1	89.1	89.3	89.6	89.6	89.6	89.6	90.1	90.1	90.9
GE 2500	24.2	72.9	80.2	84.6	88.8	89.6	89.6	89.6	89.8	90.1	90.1	90.1	90.1	90.6	90.6	91.4
GE 2000	24.2	72.9	80.5	84.9	89.3	90.1	90.1	90.1	90.4	90.6	90.6	90.6	90.6	91.1	91.1	91.9
GE 1800	24.2	73.2	80.7	85.2	89.6	90.4	90.4	90.4	90.6	90.9	90.9	90.9	90.9	91.4	91.4	92.2
GE 1500	24.7	73.7	82.0	87.0	91.4	92.2	92.2	92.2	92.4	92.7	92.7	92.7	92.7	93.2	93.2	94.0
GE 1200	25.0	74.0	82.6	87.8	92.7	93.8	93.8	93.8	94.0	94.3	94.3	94.3	94.3	94.8	94.8	95.6
GE 1000	25.0	74.2	82.8	88.3	93.5	94.8	94.8	95.1	95.3	95.6	95.6	95.6	95.6	96.1	96.1	96.9
GE 900	25.0	74.2	82.8	88.3	93.5	94.8	94.8	95.1	95.3	95.6	95.6	95.6	95.6	96.1	96.1	96.9
GE 800	25.0	74.5	83.1	88.8	94.8	96.6	96.6	97.1	97.4	97.7	97.7	97.7	97.7	98.2	98.2	99.0
GE 700	25.0	74.5	83.1	88.8	94.8	96.6	96.6	97.1	97.4	97.7	97.7	97.7	97.7	98.2	98.2	99.0
GE 600	25.0	74.5	83.1	88.8	95.1	96.9	96.9	97.4	97.7	97.9	97.9	97.9	97.9	98.4	98.4	99.2
GE 500	25.0	74.5	83.1	88.8	95.3	97.1	97.1	97.7	97.9	98.2	98.2	98.2	98.2	99.0	99.0	100.0
GE 400	25.0	74.5	83.1	88.8	95.3	97.1	97.1	97.7	97.9	98.2	98.2	98.2	98.2	99.0	99.0	100.0
GE 300	25.0	74.5	83.1	88.8	95.3	97.1	97.1	97.7	97.9	98.2	98.2	98.2	98.2	99.0	99.0	100.0
GE 200	25.0	74.5	83.1	88.8	95.3	97.1	97.1	97.7	97.9	98.2	98.2	98.2	98.2	99.0	99.0	100.0
GE 100	25.0	74.5	83.1	88.8	95.3	97.1	97.1	97.7	97.9	98.2	98.2	98.2	98.2	99.0	99.0	100.0
GE 000	25.0	74.5	83.1	88.8	95.3	97.1	97.1	97.7	97.9	98.2	98.2	98.2	98.2	99.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 384

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT HOURS: 03-05

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE 5000		25.9	71.6	80.2	83.4	85.8	86.4	86.4	87.7	87.7	87.7	87.7	87.7	87.9	87.9	87.9	89.7
GE 4500		25.9	71.6	80.2	83.4	85.8	86.4	86.4	87.7	87.7	87.7	87.7	87.7	87.9	87.9	87.9	89.7
GE 4000		26.1	71.8	80.4	83.6	86.0	86.6	86.6	87.9	87.9	87.9	87.9	87.9	88.1	88.1	88.1	89.9
GE 3500		26.1	71.8	80.4	83.6	86.0	86.6	86.6	87.9	87.9	87.9	87.9	87.9	88.1	88.1	88.1	89.9
GE 3000		26.1	72.0	80.6	83.8	86.2	86.9	86.9	88.1	88.1	88.1	88.1	88.1	88.4	88.4	88.4	90.1
GE 2500		26.5	72.4	81.0	84.3	86.6	87.3	87.3	88.6	88.6	88.6	88.6	88.6	88.8	88.8	88.8	90.5
GE 2000		26.9	73.1	82.3	85.8	88.4	89.0	89.0	90.3	90.3	90.3	90.3	90.3	90.5	90.5	90.5	92.2
GE 1800		27.4	73.9	83.2	86.6	89.2	89.9	89.9	91.2	91.2	91.2	91.2	91.2	91.4	91.4	91.4	93.1
GE 1500		27.6	74.4	84.3	87.9	90.7	91.4	91.4	92.7	92.7	92.7	92.7	92.7	92.9	92.9	92.9	94.6
GE 1200		28.2	75.6	85.6	89.4	92.2	93.1	93.1	94.4	94.4	94.4	94.4	94.4	94.6	94.6	94.6	96.3
GE 1000		28.2	75.6	85.6	89.7	93.1	94.2	94.2	95.5	95.5	95.5	95.5	95.5	95.7	95.7	95.7	97.4
GE 900		28.2	75.6	85.6	89.7	93.1	94.2	94.2	95.5	95.5	95.5	95.5	95.5	95.7	95.7	95.7	97.4
GE 800		28.2	75.6	85.6	89.9	93.8	95.3	95.3	96.6	96.6	96.6	96.6	96.6	96.8	97.0	97.0	98.7
GE 700		28.2	75.6	85.6	89.9	93.8	95.3	95.3	96.8	96.8	96.8	96.8	96.8	97.0	97.2	97.2	98.9
GE 600		28.2	75.6	85.6	89.9	93.8	95.3	95.3	96.8	96.8	96.8	96.8	96.8	97.0	97.2	97.2	98.9
GE 500		28.2	75.6	85.6	89.9	93.8	95.3	95.3	96.8	96.8	96.8	97.2	97.2	97.4	97.6	97.6	99.4
GE 400		28.2	75.6	85.6	89.9	93.8	95.7	95.7	97.2	97.4	97.4	97.8	97.8	98.1	98.3	98.3	100.0
GE 300		28.2	75.6	85.6	89.9	93.8	95.7	95.7	97.2	97.4	97.4	97.8	97.8	98.1	98.3	98.3	100.0
GE 200		28.2	75.6	85.6	89.9	93.8	95.7	95.7	97.2	97.4	97.4	97.8	97.8	98.1	98.3	98.3	100.0
GE 100		28.2	75.6	85.6	89.9	93.8	95.7	95.7	97.2	97.4	97.4	97.8	97.8	98.1	98.3	98.3	100.0
GE 000		28.2	75.6	85.6	89.9	93.8	95.7	95.7	97.2	97.4	97.4	97.8	97.8	98.1	98.3	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 464

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT HOURS: 06-08

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	33.4	72.0	78.7	81.8	84.3	85.6	85.6	85.8	86.0	86.0	86.4	86.4	86.8	86.8	86.8	87.9
GE 4500	33.4	72.0	78.7	81.8	84.3	85.6	85.6	85.8	86.0	86.0	86.4	86.4	86.8	86.8	86.8	87.9
GE 4000	33.4	72.0	78.7	81.8	84.3	85.6	85.6	85.8	86.0	86.0	86.4	86.4	86.8	86.8	86.8	87.9
GE 3500	33.4	72.2	78.9	82.0	84.6	85.8	85.8	86.0	86.2	86.2	86.6	86.6	87.1	87.1	87.1	88.1
GE 3000	33.8	72.7	79.3	82.5	85.0	86.2	86.2	86.4	86.6	86.6	87.1	87.1	87.5	87.5	87.5	88.5
GE 2500	34.7	73.5	80.2	83.3	85.8	87.1	87.1	87.3	87.5	87.5	87.9	87.9	88.3	88.3	88.3	89.4
GE 2000	35.7	75.6	82.5	85.6	88.3	89.6	89.6	89.8	90.0	90.0	90.4	90.4	90.8	90.8	90.8	91.9
GE 1800	35.9	75.8	82.9	86.2	89.1	90.4	90.4	90.6	90.8	90.8	91.2	91.2	91.6	91.6	91.6	92.7
GE 1500	36.1	76.2	83.7	87.1	90.4	91.6	91.6	91.9	92.1	92.1	92.5	92.5	92.9	92.9	92.9	94.2
GE 1200	36.5	76.8	84.6	87.9	91.4	92.7	92.7	92.9	93.1	93.1	93.5	93.5	93.9	93.9	93.9	95.2
GE 1000	37.0	77.2	85.0	88.5	92.9	94.6	94.6	94.8	95.0	95.0	95.4	95.4	95.8	95.8	95.8	97.1
GE 900	37.0	77.2	85.0	88.5	92.9	94.6	94.6	95.0	95.2	95.2	95.6	95.6	96.0	96.0	96.0	97.3
GE 800	37.0	77.2	85.0	88.7	93.3	95.6	95.6	96.0	96.2	96.2	96.7	96.7	97.1	97.1	97.1	98.3
GE 700	37.0	77.2	85.0	88.7	93.3	95.6	95.6	96.0	96.2	96.2	96.7	96.7	97.1	97.1	97.1	98.3
GE 600	37.0	77.2	85.0	88.7	93.3	95.8	95.8	96.5	96.7	96.7	97.3	97.3	97.7	97.7	97.7	99.0
GE 500	37.0	77.2	85.0	88.7	93.3	95.8	95.8	96.5	96.7	96.7	97.3	97.3	97.7	97.7	97.7	99.0
GE 400	37.0	77.2	85.0	88.7	93.3	95.8	95.8	96.5	96.7	96.7	97.3	97.3	97.7	97.7	97.7	99.0
GE 300	37.0	77.2	85.0	88.7	93.3	95.8	95.8	96.9	97.1	97.1	97.7	97.7	98.1	98.1	98.1	99.4
GE 200	37.0	77.2	85.0	88.7	93.3	95.8	95.8	96.9	97.1	97.1	97.7	97.7	98.1	98.1	98.1	99.4
GE 100	37.0	77.2	85.0	88.7	93.3	95.8	95.8	96.9	97.1	97.1	97.7	97.7	98.1	98.1	98.1	99.6
GE 000	37.0	77.2	85.0	88.7	93.3	95.8	95.8	96.9	97.1	97.1	97.7	97.7	98.1	98.1	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 479



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT HOURS: 09-11

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	40.6	71.3	81.1	84.3	86.4	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.3	87.3	87.3	87.3
GE 4500	40.6	71.3	81.1	84.3	86.4	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.3	87.3	87.3	87.3
GE 4000	40.6	71.3	81.1	84.3	86.4	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.3	87.3	87.3	87.3
GE 3500	40.6	71.3	81.1	84.3	86.4	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.3	87.3	87.3	87.3
GE 3000	41.6	72.6	82.4	85.6	87.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.5	88.5	88.5	88.5
GE 2500	42.0	73.2	83.0	86.4	88.5	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.4	89.4	89.4	89.4
GE 2000	42.7	74.3	84.5	87.9	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.9	90.9	90.9	90.9
GE 1800	43.1	74.7	85.1	88.7	90.9	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.7	91.7	91.7	91.7
GE 1500	43.9	75.6	86.8	90.7	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.5	94.5	94.5	94.5
GE 1200	45.2	77.1	88.5	93.0	96.0	96.8	96.8	96.8	96.8	96.8	96.8	96.8	97.0	97.0	97.0	97.0
GE 1000	45.2	77.1	88.5	93.0	97.0	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.1	98.1	98.1	98.1
GE 900	45.2	77.1	88.5	93.0	97.0	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.1	98.1	98.1	98.1
GE 800	45.2	77.1	88.5	93.0	97.2	98.5	98.5	98.5	98.7	98.7	98.9	98.9	99.2	99.2	99.2	99.2
GE 700	45.2	77.1	88.5	93.0	97.2	98.5	98.5	98.5	98.7	98.7	98.9	98.9	99.2	99.2	99.2	99.2
GE 600	45.2	77.1	88.5	93.0	97.2	98.5	98.5	98.5	98.7	98.7	98.9	98.9	99.2	99.2	99.2	99.2
GE 500	45.2	77.1	88.5	93.0	97.5	98.7	98.7	98.9	99.2	99.2	99.4	99.4	99.6	99.6	99.6	99.6
GE 400	45.2	77.1	88.5	93.0	97.5	98.7	98.7	98.9	99.4	99.4	99.6	99.6	99.8	99.8	99.8	99.8
GE 300	45.2	77.1	88.5	93.0	97.5	98.7	98.7	98.9	99.4	99.4	99.6	99.6	99.8	99.8	99.8	99.8
GE 200	45.2	77.1	88.5	93.0	97.5	98.7	98.7	98.9	99.4	99.4	99.6	99.6	99.8	99.8	99.8	99.8
GE 100	45.2	77.1	88.5	93.0	97.5	98.7	98.7	98.9	99.4	99.4	99.6	99.6	99.8	99.8	99.8	99.8
GE 000	45.2	77.1	88.5	93.0	97.5	98.9	98.9	99.2	99.6	99.6	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 471

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT HOURS: 12-14

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE	5000	39.8	64.6	73.5	78.5	79.1	79.6	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE	4500	39.8	64.6	73.5	78.5	79.1	79.6	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE	4000	39.8	64.6	73.5	78.5	79.1	79.6	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE	3500	39.8	64.6	73.5	78.5	79.1	79.6	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE	3000	40.0	65.0	73.9	78.9	79.6	80.0	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE	2500	40.7	66.3	75.4	80.4	81.1	81.5	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE	2000	43.5	70.7	80.0	85.2	85.9	86.3	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE	1800	45.0	72.8	83.0	88.5	89.3	89.8	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE	1500	46.5	75.0	86.3	91.7	92.8	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE	1200	48.3	77.0	88.9	95.0	96.3	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE	1000	48.3	77.0	89.1	95.4	98.0	98.5	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE	900	48.3	77.0	89.1	95.4	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE	800	48.3	77.0	89.1	95.4	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE	700	48.3	77.0	89.1	95.4	98.5	99.1	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	600	48.3	77.0	89.1	95.4	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	500	48.3	77.0	89.1	95.4	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	400	48.3	77.0	89.1	95.4	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	300	48.3	77.0	89.1	95.4	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	200	48.3	77.0	89.1	95.4	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	100	48.3	77.0	89.1	95.4	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	000	48.3	77.0	89.1	95.4	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 460

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT HOURS: 15-17

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	33.4	60.3	70.7	76.5	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 4500	33.4	60.3	70.7	76.5	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 4000	33.6	60.8	71.1	76.9	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 3500	34.3	61.4	71.8	77.6	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 3000	34.5	61.9	72.2	78.0	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 2500	35.8	63.1	73.7	79.7	82.5	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	83.0
GE 2000	39.9	67.7	78.9	85.1	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.6
GE 1800	41.4	69.6	81.5	87.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	91.2
GE 1500	43.1	71.8	83.8	90.3	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.4
GE 1200	44.0	72.6	84.9	91.6	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.9
GE 1000	44.2	72.8	85.8	92.5	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.1
GE 900	44.2	72.8	85.8	92.5	97.6	97.8	97.8	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.5
GE 800	44.2	72.8	85.8	92.5	98.3	98.7	98.7	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.4
GE 700	44.2	72.8	85.8	92.5	98.3	98.7	98.7	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6
GE 600	44.2	72.8	85.8	92.5	98.3	98.7	98.7	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8
GE 500	44.2	72.8	85.8	92.5	98.3	98.7	98.7	99.1	99	99.6	99.6	99.6	99.6	99.6	99.6	99.8
GE 400	44.2	72.8	85.8	92.5	98.3	98.7	98.7	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	100.0
GE 300	44.2	72.8	85.8	92.5	98.3	98.7	98.7	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	100.0
GE 200	44.2	72.8	85.8	92.5	98.3	98.7	98.7	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	100.0
GE 100	44.2	72.8	85.8	92.5	98.3	98.7	98.7	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	100.0
GE 000	44.2	72.8	85.8	92.5	98.3	98.7	98.7	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 464

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT HOURS: 18-20

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE	5000	27.9	66.6	76.1	80.5	86.0	86.5	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE	4500	27.9	66.6	76.1	80.5	86.0	86.5	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE	4000	27.9	66.6	76.1	80.5	86.0	86.5	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE	3500	27.9	66.6	76.1	80.5	86.0	86.5	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE	3000	27.9	66.8	76.3	80.8	86.3	86.7	86.9	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE	2500	28.3	68.1	77.8	82.2	87.7	88.2	88.4	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE	2000	29.0	69.3	79.5	84.4	89.9	90.3	90.5	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE	1800	29.0	69.3	79.9	85.0	90.5	90.9	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE	1500	29.4	70.2	81.6	87.1	92.6	93.0	93.2	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE	1200	30.0	70.8	83.3	89.4	95.3	95.8	96.0	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE	1000	30.4	71.2	83.9	90.1	96.6	97.5	97.9	98.7	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2
GE	900	30.4	71.2	83.9	90.1	96.6	97.5	97.9	98.7	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2
GE	800	30.4	71.2	83.9	90.1	96.8	97.9	98.3	99.2	99.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8
GE	700	30.4	71.2	83.9	90.1	96.8	97.9	98.3	99.2	99.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8
GE	600	30.4	71.2	83.9	90.1	96.8	97.9	98.3	99.2	99.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8
GE	500	30.4	71.2	83.9	90.1	97.0	98.1	98.5	99.4	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0
GE	400	30.4	71.2	83.9	90.1	97.0	98.1	98.5	99.4	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0
GE	300	30.4	71.2	83.9	90.1	97.0	98.1	98.5	99.4	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0
GE	200	30.4	71.2	83.9	90.1	97.0	98.1	98.5	99.4	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0
GE	100	30.4	71.2	83.9	90.1	97.0	98.1	98.5	99.4	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0
GE	000	30.4	71.2	83.9	90.1	97.0	98.1	98.5	99.4	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 473

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTON ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT HOURS: 21-23

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	25.1	70.5	81.6	85.8	88.9	89.1	89.1	89.1	89.4	89.4	89.6	89.6	89.6	89.6	89.6	90.2
GE 4500	25.1	70.5	81.6	85.8	88.9	89.1	89.1	89.1	89.4	89.4	89.6	89.6	89.6	89.6	89.6	90.2
GE 4000	25.1	70.5	81.6	85.8	88.9	89.1	89.1	89.1	89.4	89.4	89.6	89.6	89.6	89.6	89.6	90.2
GE 3500	25.1	70.5	81.6	85.8	88.9	89.1	89.1	89.1	89.4	89.4	89.6	89.6	89.6	89.6	89.6	90.2
GE 3000	25.1	70.7	81.9	86.0	89.1	89.4	89.4	89.4	89.6	89.6	89.9	89.9	89.9	89.9	89.9	90.4
GE 2500	25.1	70.7	81.9	86.0	89.1	89.4	89.4	89.4	89.6	89.6	89.9	89.9	89.9	89.9	89.9	90.4
GE 2000	25.4	71.5	82.6	86.8	89.9	90.2	90.2	90.2	90.4	90.4	90.7	90.7	90.7	90.7	90.7	91.2
GE 1800	25.4	71.5	82.6	86.8	89.9	90.2	90.2	90.2	90.4	90.4	90.7	90.7	90.7	90.7	90.7	91.2
GE 1500	25.9	72.3	83.9	89.1	92.5	92.7	92.7	92.7	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.8
GE 1200	26.2	72.5	85.0	90.4	94.3	94.6	94.6	94.8	95.3	95.3	95.6	95.6	95.6	95.6	95.6	96.1
GE 1000	26.2	72.5	85.5	91.2	96.1	96.4	96.6	96.9	97.4	97.4	97.7	97.7	97.7	97.7	97.7	98.2
GE 900	26.2	72.5	85.5	91.2	96.1	96.4	96.6	96.9	97.4	97.4	97.7	97.7	97.7	97.7	97.7	98.2
GE 800	26.4	72.8	85.8	91.5	96.6	97.4	97.7	97.9	98.4	98.4	98.7	98.7	98.7	98.7	98.7	99.2
GE 700	26.4	72.8	85.8	91.5	96.6	97.4	97.7	97.9	98.4	98.4	98.7	98.7	98.7	98.7	98.7	99.2
GE 600	26.4	72.8	85.8	91.5	96.6	97.4	97.7	97.9	98.4	98.4	98.7	98.7	98.7	98.7	98.7	99.2
GE 500	26.4	72.8	85.8	91.5	97.2	97.9	98.2	98.4	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.7
GE 400	26.4	72.8	85.8	91.7	97.4	98.2	98.4	98.7	99.2	99.2	99.5	99.5	99.5	99.5	99.5	100.0
GE 300	26.4	72.8	85.8	91.7	97.4	98.2	98.4	98.7	99.2	99.2	99.5	99.5	99.5	99.5	99.5	100.0
GE 200	26.4	72.8	85.8	91.7	97.4	98.2	98.4	98.7	99.2	99.2	99.5	99.5	99.5	99.5	99.5	100.0
GE 100	26.4	72.8	85.8	91.7	97.4	98.2	98.4	98.7	99.2	99.2	99.5	99.5	99.5	99.5	99.5	100.0
GE 000	26.4	72.8	85.8	91.7	97.4	98.2	98.4	98.7	99.2	99.2	99.5	99.5	99.5	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 386

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	31.6	68.6	77.6	81.7	84.6	85.2	85.2	85.5	85.6	85.6	85.7	85.7	85.8	85.9	85.9	86.4
GE 4500	31.6	68.6	77.6	81.7	84.6	85.2	85.2	85.5	85.6	85.6	85.7	85.7	85.8	85.9	85.9	86.4
GE 4000	31.6	68.6	77.7	81.8	84.7	85.3	85.3	85.6	85.7	85.7	85.8	85.8	85.9	86.0	86.0	86.5
GE 3500	31.7	68.8	77.8	81.9	84.8	85.4	85.4	85.7	85.8	85.8	85.9	85.9	86.0	86.1	86.1	86.6
GE 3000	31.9	69.2	78.2	82.4	85.2	85.8	85.8	86.1	86.2	86.2	86.3	86.3	86.4	86.5	86.5	87.0
GE 2500	32.5	70.0	79.1	83.3	86.2	86.8	86.8	87.1	87.2	87.2	87.3	87.3	87.4	87.4	87.4	88.0
GE 2000	33.8	71.9	81.3	85.7	88.7	89.3	89.3	89.6	89.7	89.7	89.8	89.8	89.9	89.9	89.9	90.5
GE 1800	34.3	72.6	82.4	86.9	89.9	90.5	90.5	90.8	90.9	90.9	91.0	91.0	91.1	91.2	91.2	91.7
GE 1500	35.1	73.7	84.1	88.9	92.3	92.9	92.9	93.2	93.3	93.3	93.4	93.4	93.5	93.5	93.5	94.1
GE 1200	35.9	74.6	85.5	90.6	94.2	94.9	94.9	95.3	95.4	95.4	95.5	95.5	95.6	95.7	95.7	96.2
GE 1000	36.0	74.8	85.8	91.1	95.6	96.5	96.6	97.0	97.2	97.2	97.3	97.3	97.4	97.5	97.5	98.0
GE 900	36.0	74.8	85.8	91.1	95.6	96.5	96.6	97.1	97.3	97.3	97.4	97.4	97.5	97.6	97.6	98.1
GE 800	36.0	74.8	85.9	91.3	96.1	97.3	97.4	97.9	98.2	98.2	98.3	98.4	98.5	98.5	98.5	99.1
GE 700	36.0	74.8	85.9	91.3	96.2	97.4	97.5	98.0	98.3	98.3	98.4	98.5	98.6	98.7	98.7	99.2
GE 600	36.0	74.8	85.9	91.3	96.2	97.5	97.6	98.2	98.4	98.4	98.6	98.6	98.7	98.8	98.8	99.4
GE 500	36.0	74.8	85.9	91.3	96.4	97.6	97.7	98.4	98.6	98.6	98.8	98.9	99.0	99.1	99.1	99.7
GE 400	36.0	74.8	85.9	91.3	96.4	97.7	97.8	98.4	98.7	98.7	99.0	99.0	99.1	99.2	99.2	99.8
GE 300	36.0	74.8	85.9	91.3	96.4	97.7	97.8	98.5	98.8	98.8	99.0	99.1	99.2	99.3	99.3	99.9
GE 200	36.0	74.8	85.9	91.3	96.4	97.7	97.8	98.5	98.8	98.8	99.0	99.1	99.2	99.3	99.3	99.9
GE 100	36.0	74.8	85.9	91.3	96.4	97.7	97.8	98.5	98.8	98.8	99.0	99.1	99.2	99.3	99.3	99.9
GE 000	36.0	74.8	85.9	91.3	96.4	97.7	97.8	98.5	98.8	98.8	99.1	99.1	99.2	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 3581

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROSTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV HOURS: 00-02

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE 5000		26.7	68.0	75.8	79.4	85.5	86.6	86.6	88.0	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.7
GE 4500		26.7	68.0	75.8	79.4	85.5	86.6	86.6	88.0	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.7
GE 4000		26.7	68.0	75.8	79.4	85.5	86.6	86.6	88.0	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.7
GE 3500		26.7	68.0	75.8	79.4	85.5	86.6	86.6	88.0	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.7
GE 3000		27.0	68.2	76.0	79.7	85.8	86.9	86.9	88.3	89.1	89.1	89.1	89.1	89.1	89.1	89.1	90.0
GE 2500		27.3	68.5	76.3	79.9	86.1	87.2	87.2	88.6	89.4	89.4	89.4	89.4	89.4	89.4	89.4	90.3
GE 2000		27.9	69.4	77.2	80.8	86.9	88.0	88.0	89.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	91.1
GE 1800		27.9	69.6	78.0	81.6	87.7	89.1	89.1	90.5	91.4	91.4	91.4	91.4	91.4	91.4	91.4	92.2
GE 1500		29.5	71.6	80.8	84.4	90.8	92.2	92.2	93.6	94.4	94.4	94.4	94.4	94.4	94.4	94.4	95.3
GE 1200		29.5	71.9	81.3	86.4	92.8	94.2	94.2	95.5	96.4	96.4	96.4	96.4	96.4	96.4	96.4	97.2
GE 1000		29.5	71.9	81.6	86.6	93.9	95.3	95.3	97.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.9
GE 900		29.5	71.9	81.6	86.6	94.4	95.8	95.8	97.8	98.6	98.6	98.6	98.6	98.6	98.6	98.6	99.4
GE 800		29.5	71.9	81.6	86.6	94.4	95.8	95.8	97.8	98.6	98.6	98.6	98.6	98.6	98.6	98.6	99.4
GE 700		29.5	71.9	81.6	86.6	94.7	96.1	96.1	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.7
GE 600		29.5	71.9	81.6	86.6	94.7	96.1	96.1	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.7
GE 500		29.5	71.9	81.6	86.6	95.0	96.4	96.4	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	100.0
GE 400		29.5	71.9	81.6	86.6	95.0	96.4	96.4	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	100.0
GE 300		29.5	71.9	81.6	86.6	95.0	96.4	96.4	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	100.0
GE 200		29.5	71.9	81.6	86.6	95.0	96.4	96.4	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	100.0
GE 100		29.5	71.9	81.6	86.6	95.0	96.4	96.4	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	100.0
GE 000		29.5	71.9	81.6	86.6	95.0	96.4	96.4	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 359

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV HOURS: 03-05

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	29.7	68.4	75.5	78.3	84.9	86.3	86.3	87.9	88.1	88.1	88.6	88.6	88.6	88.6	88.8	89.7
GE 4500	29.7	68.4	75.5	78.3	84.9	86.3	86.3	87.9	88.1	88.1	88.6	88.6	88.6	88.6	88.8	89.7
GE 4000	29.7	68.4	75.5	78.3	84.9	86.3	86.3	87.9	88.1	88.1	88.6	88.6	88.6	88.6	88.8	89.7
GE 3500	29.7	68.4	75.5	78.3	84.9	86.3	86.3	87.9	88.1	88.1	88.6	88.6	88.6	88.6	88.8	89.7
GE 3000	29.7	68.4	75.5	78.3	84.9	86.3	86.3	87.9	88.1	88.1	88.6	88.6	88.6	88.6	88.8	89.7
GE 2500	30.2	69.1	76.4	79.2	85.8	87.2	87.2	88.8	89.0	89.0	89.5	89.5	89.5	89.5	89.7	90.6
GE 2000	31.6	70.9	78.5	81.2	87.9	89.2	89.2	90.8	91.1	91.1	91.5	91.5	91.5	91.5	91.8	92.7
GE 1800	32.0	71.6	79.2	81.9	88.6	89.9	89.9	91.5	91.8	91.8	92.2	92.2	92.2	92.2	92.4	93.4
GE 1500	33.0	73.0	81.9	84.7	91.3	92.7	92.7	94.3	94.5	94.5	95.0	95.0	95.0	95.0	95.2	96.1
GE 1200	33.0	73.0	83.1	85.8	92.7	94.1	94.1	95.7	95.9	95.9	96.3	96.3	96.3	96.3	96.6	97.5
GE 1000	33.0	73.0	83.5	86.5	93.8	95.2	95.2	97.0	97.5	97.5	97.9	97.9	97.9	97.9	98.1	99.5
GE 900	33.0	73.0	83.5	86.5	93.8	95.2	95.2	97.0	97.5	97.5	97.9	97.9	97.9	97.9	98.2	99.5
GE 800	33.0	73.0	83.5	86.5	94.1	95.4	95.4	97.3	97.7	97.7	98.2	98.2	98.2	98.2	98.4	99.8
GE 700	33.0	73.0	83.5	86.5	94.1	95.4	95.4	97.3	97.7	97.7	98.2	98.2	98.2	98.2	98.4	99.8
GE 600	33.0	73.0	83.5	86.5	94.1	95.4	95.4	97.3	97.7	97.7	98.2	98.2	98.2	98.2	98.4	99.8
GE 500	33.0	73.0	83.5	86.5	94.3	95.7	95.7	97.5	97.9	97.9	98.4	98.4	98.4	98.4	98.6	100.0
GE 400	33.0	73.0	83.5	86.5	94.3	95.7	95.7	97.5	97.9	97.9	98.4	98.4	98.4	98.4	98.6	100.0
GE 300	33.0	73.0	83.5	86.5	94.3	95.7	95.7	97.5	97.9	97.9	98.4	98.4	98.4	98.4	98.6	100.0
GE 200	33.0	73.0	83.5	86.5	94.3	95.7	95.7	97.5	97.9	97.9	98.4	98.4	98.4	98.4	98.6	100.0
GE 100	33.0	73.0	83.5	86.5	94.3	95.7	95.7	97.5	97.9	97.9	98.4	98.4	98.4	98.4	98.6	100.0
GE 000	33.0	73.0	83.5	86.5	94.3	95.7	95.7	97.5	97.9	97.9	98.4	98.4	98.4	98.4	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 437



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROSTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV HOURS: 06-08

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	32.3	66.6	73.1	77.2	79.5	82.4	82.4	83.7	83.7	83.7	83.7	84.0	84.4	84.4	84.9	86.5
GE 4500	32.3	66.6	73.1	77.2	79.5	82.4	82.4	83.7	83.7	83.7	83.7	84.0	84.4	84.4	84.9	86.5
GE 4000	32.3	66.6	73.1	77.2	79.5	82.4	82.4	83.7	83.7	83.7	83.7	84.0	84.4	84.4	84.9	86.5
GE 3500	32.3	66.6	73.1	77.2	79.5	82.4	82.4	83.7	83.7	83.7	83.7	84.0	84.4	84.4	84.9	86.5
GE 3000	32.5	66.8	73.4	77.4	79.7	82.6	82.6	84.0	84.0	84.0	84.0	84.2	84.7	84.7	85.1	86.7
GE 2500	33.6	68.2	74.7	78.8	81.0	84.0	84.0	85.3	85.3	85.3	85.3	85.6	86.0	86.0	86.5	88.0
GE 2000	34.3	69.3	77.0	81.0	83.5	86.5	86.5	87.8	87.8	87.8	87.8	88.0	88.5	88.5	88.9	90.5
GE 1800	34.8	70.0	78.3	82.6	85.3	88.3	88.3	89.6	89.6	89.6	89.6	89.8	90.3	90.3	90.7	92.3
GE 1500	36.1	72.0	80.8	85.3	88.0	91.0	91.0	92.3	92.3	92.3	92.3	92.6	93.0	93.0	93.5	95.0
GE 1200	36.3	72.2	81.5	86.5	89.6	93.2	93.2	94.6	94.6	94.6	94.6	94.8	95.3	95.3	95.7	97.3
GE 1000	36.3	72.2	81.5	86.9	90.7	94.4	94.4	95.9	95.9	95.9	95.9	96.2	96.6	96.6	97.1	98.9
GE 900	36.3	72.2	81.5	86.9	90.7	94.6	94.6	96.2	96.2	96.2	96.2	96.4	96.8	96.8	97.3	99.1
GE 800	36.3	72.2	81.5	86.9	91.2	95.0	95.0	96.6	96.6	96.6	96.8	97.1	97.5	97.5	98.0	99.8
GE 700	36.3	72.2	81.5	86.9	91.2	95.0	95.0	96.6	96.6	96.6	96.8	97.1	97.5	97.5	98.0	99.8
GE 600	36.3	72.2	81.5	86.9	91.2	95.0	95.0	96.6	96.6	96.6	96.8	97.1	97.5	97.5	98.0	99.8
GE 500	36.3	72.2	81.5	86.9	91.2	95.0	95.0	96.6	96.6	96.6	96.8	97.1	97.5	97.5	98.0	99.8
GE 400	36.3	72.2	81.5	86.9	91.2	95.0	95.0	96.6	96.6	96.6	96.8	97.1	97.5	97.5	98.0	99.8
GE 300	36.3	72.2	81.5	86.9	91.2	95.0	95.0	96.6	96.6	96.6	96.8	97.1	97.5	97.5	98.0	99.8
GE 200	36.3	72.2	81.5	86.9	91.2	95.0	95.0	96.6	96.6	96.6	96.8	97.1	97.5	97.5	98.0	99.8
GE 100	36.3	72.2	81.5	86.9	91.2	95.0	95.0	96.6	96.6	96.6	96.8	97.1	97.5	97.5	98.2	100.0
GE 000	36.3	72.2	81.5	86.9	91.2	95.0	95.0	96.6	96.6	96.6	96.8	97.1	97.5	97.5	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 443

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV HOURS: 09-11

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE	5000	41.1	66.1	76.9	80.4	85.7	86.2	86.2	86.7	87.1	87.1	87.1	87.1	87.4	87.4	87.4	87.4
GE	4500	41.1	66.1	76.9	80.4	85.7	86.2	86.2	86.7	87.1	87.1	87.1	87.1	87.4	87.4	87.4	87.4
GE	4000	41.1	66.1	76.9	80.4	85.7	86.2	86.2	86.7	87.1	87.1	87.1	87.1	87.4	87.4	87.4	87.4
GE	3500	41.1	66.1	76.9	80.4	85.7	86.2	86.2	86.7	87.1	87.1	87.1	87.1	87.4	87.4	87.4	87.4
GE	3000	41.6	66.6	77.3	80.8	86.2	86.7	86.7	87.1	87.6	87.6	87.6	87.6	87.9	87.9	87.9	87.9
GE	2500	42.3	67.5	78.7	82.2	87.6	88.1	88.1	88.6	89.0	89.0	89.0	89.0	89.3	89.3	89.3	89.3
GE	2000	43.2	69.2	80.8	84.3	89.7	90.2	90.2	90.7	91.1	91.1	91.1	91.1	91.4	91.4	91.4	91.4
GE	1800	43.7	70.1	82.5	86.0	91.4	92.1	92.1	92.5	93.0	93.0	93.0	93.0	93.2	93.2	93.2	93.2
GE	1500	44.2	70.6	83.6	87.1	93.2	93.9	93.9	94.4	95.1	95.1	95.1	95.1	95.3	95.3	95.3	95.3
GE	1200	44.2	70.6	83.9	87.9	94.2	94.9	94.9	95.6	96.3	96.3	96.3	96.3	96.5	96.5	96.5	96.5
GE	1000	44.4	70.8	84.8	89.5	96.5	97.7	97.7	98.6	99.3	99.3	99.3	99.3	99.5	99.8	99.8	99.8
GE	900	44.4	70.8	84.8	89.5	96.5	97.7	97.7	98.6	99.3	99.3	99.3	99.3	99.5	99.8	99.8	99.8
GE	800	44.4	70.8	84.8	89.7	96.7	97.9	97.9	98.8	99.5	99.5	99.5	99.5	99.8	100.0	100.0	100.0
GE	700	44.4	70.8	84.8	89.7	96.7	97.9	97.9	98.8	99.5	99.5	99.5	99.5	99.8	100.0	100.0	100.0
GE	600	44.4	70.8	84.8	89.7	96.7	97.9	97.9	98.8	99.5	99.5	99.5	99.5	99.8	100.0	100.0	100.0
GE	500	44.4	70.8	84.8	89.7	96.7	97.9	97.9	98.8	99.5	99.5	99.5	99.5	99.8	100.0	100.0	100.0
GE	400	44.4	70.8	84.8	89.7	96.7	97.9	97.9	98.8	99.5	99.5	99.5	99.5	99.8	100.0	100.0	100.0
GE	300	44.4	70.8	84.8	89.7	96.7	97.9	97.9	98.8	99.5	99.5	99.5	99.5	99.8	100.0	100.0	100.0
GE	200	44.4	70.8	84.8	89.7	96.7	97.9	97.9	98.8	99.5	99.5	99.5	99.5	99.8	100.0	100.0	100.0
GE	100	44.4	70.8	84.8	89.7	96.7	97.9	97.9	98.8	99.5	99.5	99.5	99.5	99.8	100.0	100.0	100.0
GE	000	44.4	70.8	84.8	89.7	96.7	97.9	97.9	98.8	99.5	99.5	99.5	99.5	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 428

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV HOURS: 12-14

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE	5000	41.5	66.0	75.5	78.3	80.9	81.4	81.4	81.4	81.4	81.4	81.4	81.6	81.6	81.6	81.6	81.6
GE	4500	41.5	66.0	75.5	78.3	80.9	81.4	81.4	81.4	81.4	81.4	81.4	81.6	81.6	81.6	81.6	81.6
GE	4000	41.5	66.0	75.5	78.3	80.9	81.4	81.4	81.4	81.4	81.4	81.4	81.6	81.6	81.6	81.6	81.6
GE	3500	41.5	66.0	75.5	78.3	80.9	81.4	81.4	81.4	81.4	81.4	81.4	81.6	81.6	81.6	81.6	81.6
GE	3000	41.5	66.0	75.8	78.6	81.1	81.6	81.6	81.6	81.6	81.6	81.6	81.8	81.8	81.8	81.8	81.8
GE	2500	42.0	67.1	77.2	80.2	82.8	83.2	83.2	83.2	83.2	83.2	83.2	83.4	83.4	83.4	83.4	83.4
GE	2000	44.5	70.6	82.1	85.5	88.3	88.8	88.8	88.8	88.8	88.8	88.8	89.0	89.0	89.0	89.0	89.0
GE	1800	44.5	70.9	82.8	86.2	89.0	89.5	89.5	89.5	89.5	89.5	89.5	89.7	89.7	89.7	89.7	89.7
GE	1500	45.0	71.8	84.6	89.3	92.8	93.2	93.2	93.2	93.2	93.2	93.2	93.5	93.5	93.5	93.5	93.5
GE	1200	45.9	72.7	86.2	91.1	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.8	95.8	95.8	95.8	95.8
GE	1000	46.2	73.0	87.6	92.5	97.2	98.4	98.4	98.4	98.6	98.6	98.6	98.8	98.8	98.8	98.8	98.8
GE	900	46.2	73.0	87.6	92.8	97.4	99.1	99.1	99.1	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5
GE	800	46.2	73.0	87.6	92.8	97.4	99.1	99.1	99.1	99.3	99.3	99.3	99.5	99.8	99.8	99.8	99.8
GE	700	46.2	73.0	87.6	92.8	97.4	99.1	99.1	99.1	99.3	99.3	99.3	99.5	99.8	99.8	99.8	99.8
GE	600	46.2	73.0	87.6	92.8	97.7	99.3	99.3	99.3	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0
GE	500	46.2	73.0	87.6	92.8	97.7	99.3	99.3	99.3	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0
GE	400	46.2	73.0	87.6	92.8	97.7	99.3	99.3	99.3	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0
GE	300	46.2	73.0	87.6	92.8	97.7	99.3	99.3	99.3	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0
GE	200	46.2	73.0	87.6	92.8	97.7	99.3	99.3	99.3	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0
GE	100	46.2	73.0	87.6	92.8	97.7	99.3	99.3	99.3	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0
GE	000	46.2	73.0	87.6	92.8	97.7	99.3	99.3	99.3	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 429

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	38.9	61.8	74.4	78.9	81.7	83.1	83.1	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.8
GE 4500	38.9	61.8	74.4	78.9	81.7	83.1	83.1	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.8
GE 4000	38.9	61.8	74.4	78.9	81.7	83.1	83.1	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.8
GE 3500	38.9	61.8	74.4	78.9	81.7	83.1	83.1	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.8
GE 3000	38.9	62.0	74.6	79.2	81.9	83.3	83.3	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8	84.0
GE 2500	39.1	62.2	74.8	79.4	82.2	83.5	83.5	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.2
GE 2000	40.5	64.3	77.1	82.2	84.9	86.3	86.3	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	87.0
GE 1800	41.0	65.0	78.9	84.0	86.7	88.1	88.1	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	89.0
GE 1500	41.6	65.7	81.0	86.3	89.7	91.1	91.1	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.2
GE 1200	42.1	66.4	83.1	88.3	92.0	93.4	93.4	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	95.0
GE 1000	42.6	67.0	84.4	89.9	94.7	96.3	96.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.9
GE 900	42.6	67.0	84.4	89.9	95.0	96.6	96.6	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.4
GE 800	42.6	67.0	84.7	90.2	95.2	97.0	97.0	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.5
GE 700	42.6	67.0	84.7	90.2	95.2	97.0	97.0	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.5
GE 600	42.6	67.0	84.7	90.2	95.2	97.0	97.0	98.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.8
GE 500	42.6	67.0	84.7	90.2	95.2	97.0	97.0	98.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.8
GE 400	42.6	67.0	84.7	90.2	95.2	97.0	97.0	98.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.8
GE 300	42.6	67.0	84.7	90.2	95.2	97.0	97.0	98.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.8
GE 200	42.6	67.0	84.7	90.2	95.2	97.0	97.0	98.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.8
GE 100	42.6	67.0	84.7	90.2	95.2	97.0	97.0	98.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.8
GE 000	42.6	67.0	84.7	90.2	95.2	97.0	97.0	98.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 437

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROSTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV HOURS: 18-20

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GF 80	GC 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE	5000	33.4	62.4	71.6	77.8	84.0	84.2	84.2	85.3	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE	4500	33.4	62.4	71.6	77.8	84.0	84.2	84.2	85.3	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE	4000	33.4	62.4	71.6	77.8	84.0	84.2	84.2	85.3	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE	3500	33.4	62.4	71.6	77.8	84.0	84.2	84.2	85.3	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE	3000	33.4	62.4	71.6	77.8	84.0	84.2	84.2	85.3	85.5	85.7	85.7	85.7	85.7	85.7	85.7	5.7
GE	2500	33.4	62.4	71.6	77.8	84.0	84.2	84.2	85.3	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE	2000	33.6	63.5	73.4	79.6	86.2	86.4	86.4	87.5	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE	1800	34.1	64.0	74.7	80.9	87.5	87.7	87.7	88.8	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE	1500	34.5	64.8	76.5	83.3	89.9	90.1	90.1	91.4	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE	1200	34.9	65.3	78.2	85.5	92.3	92.5	92.5	94.3	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE	1000	35.2	65.5	79.3	86.8	94.9	95.4	95.4	97.4	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE	900	35.2	65.5	79.3	86.8	95.4	95.8	95.8	97.8	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE	800	35.4	65.7	79.8	87.3	95.8	96.7	96.7	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	700	35.4	65.7	79.8	87.3	95.8	96.7	96.7	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	600	35.4	65.7	79.8	87.3	95.8	96.7	96.7	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	500	35.4	65.7	79.8	87.3	95.8	96.7	96.7	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	400	35.4	65.7	79.8	87.3	95.8	96.7	96.7	99.1	99.6	99.8	99.8	99.8	99.8	99.8	100.0	100.0
GE	300	35.4	65.7	79.8	87.3	95.8	96.7	96.7	99.1	99.6	99.8	99.8	99.8	99.8	99.8	100.0	100.0
GE	200	35.4	65.7	79.8	87.3	95.8	96.7	96.7	99.1	99.6	99.8	99.8	99.8	99.8	99.8	100.0	100.0
GE	100	35.4	65.7	79.8	87.3	95.8	96.7	96.7	99.1	99.6	99.8	99.8	99.8	99.8	99.8	100.0	100.0
GE	000	35.4	65.7	79.8	87.3	95.8	96.7	96.7	99.1	99.6	99.8	99.8	99.8	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 455

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	30.6	63.9	74.4	77.7	83.7	85.4	85.4	85.7	86.2	86.2	86.2	86.5	86.5	86.5	86.8	87.3
GE 4500	30.6	63.9	74.4	77.7	83.7	85.4	85.4	85.7	86.2	86.2	86.2	86.5	86.5	86.5	86.8	87.3
GE 4000	30.6	63.9	74.4	77.7	83.7	85.4	85.4	85.7	86.2	86.2	86.2	86.5	86.5	86.5	86.8	87.3
GE 3500	30.6	63.9	74.4	77.7	83.7	85.4	85.4	85.7	86.2	86.2	86.2	86.5	86.5	86.5	86.8	87.3
GE 3000	30.6	63.9	74.4	77.7	83.7	85.4	85.4	85.7	86.2	86.2	86.2	86.5	86.5	86.5	86.8	87.3
GE 2500	30.6	63.9	74.7	78.0	84.0	85.7	85.7	86.0	86.5	86.5	86.5	86.8	86.8	86.8	87.1	87.6
GE 2000	31.1	64.5	75.5	79.1	85.1	86.8	86.8	87.1	87.6	87.6	87.6	87.9	87.9	87.9	88.2	88.7
GE 1800	32.2	66.1	77.1	80.7	86.8	88.4	88.4	88.7	89.3	89.3	89.3	89.5	89.5	89.5	89.8	90.4
GE 1500	33.1	67.8	80.2	84.6	90.6	92.6	92.6	92.8	93.4	93.4	93.4	93.7	93.7	93.7	93.9	94.5
GE 1200	33.3	68.0	81.3	86.0	92.3	94.2	94.2	94.5	95.0	95.0	95.0	95.3	95.3	95.3	95.6	96.1
GE 1000	33.6	68.3	81.5	86.2	93.7	96.1	96.1	97.0	97.5	97.5	97.5	97.8	97.8	97.8	98.1	98.6
GE 900	33.6	68.3	81.5	86.2	93.7	96.1	96.1	97.2	97.8	97.8	97.8	98.1	98.1	98.1	98.3	98.9
GE 800	33.6	68.3	81.5	86.2	93.7	96.4	96.4	97.8	98.3	98.3	98.3	98.6	98.6	98.6	98.9	99.4
GE 700	33.6	68.3	81.5	86.2	93.7	96.4	96.4	97.8	98.3	98.3	98.3	98.6	98.6	98.6	98.9	99.4
GE 600	33.6	68.3	81.5	86.2	93.7	96.4	96.4	97.8	98.3	98.3	98.3	98.6	98.6	98.6	98.9	99.4
GE 500	33.6	68.3	81.5	86.2	93.9	96.7	96.7	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.4	100.0
GE 400	33.6	68.3	81.5	86.2	93.9	96.7	96.7	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.4	100.0
GE 300	33.6	68.3	81.5	86.2	93.9	96.7	96.7	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.4	100.0
GE 200	33.6	68.3	81.5	86.2	93.9	96.7	96.7	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.4	100.0
GE 100	33.6	68.3	81.5	86.2	93.9	96.7	96.7	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.4	100.0
GE 000	33.6	68.3	81.5	86.2	93.9	96.7	96.7	98.3	98.9	98.9	98.9	99.2	99.2	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 363

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV HOURS: ALL

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE	5000	34.5	65.4	74.6	78.5	83.2	84.4	84.4	85.2	85.5	85.5	85.6	85.6	85.7	85.7	85.9	86.4
GE	4500	34.5	65.4	74.6	78.5	83.2	84.4	84.4	85.2	85.5	85.5	85.6	85.6	85.7	85.7	85.9	86.4
GE	4000	34.5	65.4	74.6	78.5	83.2	84.4	84.4	85.2	85.5	85.5	85.6	85.6	85.7	85.7	85.9	86.4
GE	3500	34.5	65.4	74.6	78.5	83.2	84.4	84.4	85.2	85.5	85.5	85.6	85.6	85.7	85.7	85.9	86.4
GE	3000	34.6	65.5	74.8	78.7	83.3	84.5	84.5	85.3	85.6	85.7	85.7	85.8	85.9	85.9	86.0	86.5
GE	2500	35.0	66.1	75.5	79.4	84.1	85.3	85.3	86.1	86.4	86.5	86.5	86.6	86.7	86.7	86.8	87.3
GE	2000	36.1	67.7	77.7	81.8	86.6	87.8	87.8	88.6	88.9	88.9	89.0	89.0	89.1	89.1	89.3	89.8
GE	1800	36.5	68.4	79.0	83.0	87.9	89.1	89.1	90.0	90.3	90.3	90.4	90.5	90.5	90.5	90.7	91.2
GE	1500	37.3	69.6	81.2	85.6	90.8	92.1	92.1	93.0	93.3	93.3	93.4	93.5	93.6	93.6	93.7	94.2
GE	1200	37.6	70.0	82.3	87.2	92.6	94.0	94.0	95.0	95.3	95.4	95.4	95.5	95.6	95.6	95.7	96.2
GE	1000	37.8	70.2	83.1	88.2	94.4	96.1	96.1	97.3	97.8	97.8	97.9	97.9	98.0	98.1	98.2	98.8
GE	900	37.8	70.2	83.1	88.2	94.6	96.4	96.4	97.7	98.1	98.1	98.2	98.3	98.4	98.4	98.5	99.1
GE	800	37.8	70.2	83.2	88.3	94.8	96.7	96.7	98.1	98.6	98.6	98.7	98.8	98.9	99.0	99.1	99.7
GE	700	37.8	70.2	83.2	88.3	94.9	96.7	96.7	98.1	98.6	98.7	98.8	98.9	99.0	99.0	99.1	99.7
GE	600	37.8	70.2	83.2	88.3	94.9	96.7	96.7	98.2	98.7	98.7	98.8	98.9	99.0	99.0	99.2	99.8
GE	500	37.8	70.2	83.2	88.3	95.0	96.8	96.8	98.3	98.8	98.9	99.0	99.1	99.2	99.2	99.3	99.9
GE	400	37.8	70.2	83.2	88.3	95.0	96.8	96.8	98.3	98.8	98.9	99.0	99.1	99.2	99.2	99.3	99.9
GE	300	37.8	70.2	83.2	88.3	95.0	96.8	96.8	98.3	98.8	98.9	99.0	99.1	99.2	99.2	99.3	99.9
GE	200	37.8	70.2	83.2	88.3	95.0	96.8	96.8	98.3	98.8	98.9	99.0	99.1	99.2	99.2	99.3	99.9
GE	100	37.8	70.2	83.2	88.3	95.0	96.8	96.8	98.3	98.8	98.9	99.0	99.1	99.2	99.2	99.4	100.0
GE	000	37.8	70.2	83.2	88.3	95.0	96.8	96.8	98.3	98.8	98.9	99.0	99.1	99.2	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 3351

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATIONNAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: DEC HOURS: 00-02

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE	20000																
GE	18000																
GE	16000																
GE	14000																
GE	12000																
GE	10000																
GE	9000																
GE	8000																
GE	7000																
GE	6000																
GE	5000	32.3	73.6	80.3	82.4	85.6	86.1	86.4	86.7	87.2	87.2	87.2	87.2	87.2	87.2	87.2	88.3
GE	4500	32.3	73.6	80.3	82.4	85.6	86.1	86.4	86.7	87.2	87.2	87.2	87.2	87.2	87.2	87.2	88.3
GE	4000	32.3	73.6	80.3	82.4	85.6	86.1	86.4	86.7	87.2	87.2	87.2	87.2	87.2	87.2	87.2	88.3
GE	3500	32.3	73.6	80.3	82.4	85.6	86.1	86.4	86.7	87.2	87.2	87.2	87.2	87.2	87.2	87.2	88.3
GE	3000	32.3	73.6	80.3	82.4	85.6	86.1	86.4	86.7	87.2	87.2	87.2	87.2	87.2	87.2	87.2	88.3
GE	2500	32.5	73.9	80.8	82.9	86.1	86.7	86.9	87.2	87.7	87.7	87.7	87.7	87.7	87.7	87.7	88.8
GE	2000	33.3	75.2	82.4	84.5	87.7	88.3	88.5	88.8	89.3	89.3	89.3	89.3	89.3	89.3	89.3	90.4
GE	1800	34.7	77.1	84.3	86.4	89.6	90.1	90.4	90.7	91.2	91.2	91.2	91.2	91.2	91.2	91.2	92.3
GE	1500	35.2	78.4	86.1	88.8	92.0	92.5	92.8	93.1	93.6	93.6	93.6	93.6	93.6	93.6	93.6	94.7
GE	1200	35.7	79.2	86.9	89.6	92.8	93.3	93.6	93.9	94.4	94.4	94.4	94.4	94.4	94.4	94.4	95.5
GE	1000	35.7	79.2	88.3	91.5	95.5	96.3	96.5	96.8	97.3	97.3	97.3	97.3	97.3	97.3	97.3	98.4
GE	900	35.7	79.2	88.3	91.5	95.5	96.3	96.5	96.8	97.3	97.3	97.3	97.3	97.3	97.3	97.3	98.4
GE	800	35.7	79.2	88.8	92.0	96.0	96.8	97.1	97.3	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.9
GE	700	35.7	79.5	89.1	92.3	96.3	97.1	97.3	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	99.2
GE	600	35.7	79.5	89.1	92.3	96.3	97.1	97.3	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	99.2
GE	500	35.7	79.5	89.1	92.3	96.5	97.3	97.6	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	99.5
GE	400	35.7	79.5	89.1	92.3	96.5	97.3	97.6	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	99.5
GE	300	35.7	79.5	89.1	92.3	96.5	97.3	97.6	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	99.5
GE	200	35.7	79.5	89.1	92.3	96.5	97.3	97.6	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	99.5
GE	100	35.7	79.5	89.1	92.3	96.5	97.3	97.6	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	99.5
GE	000	35.7	79.5	89.1	92.3	96.5	97.3	97.6	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 375



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: DEC HOURS: 03-05

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	34.4	76.7	83.4	85.6	87.6	87.6	87.6	88.0	88.5	88.5	88.5	88.7	88.7	88.7	88.7	89.4
GE 4500	34.4	76.7	83.4	85.6	87.6	87.6	87.6	88.0	88.5	88.5	88.5	88.7	88.7	88.7	88.7	89.4
GE 4000	34.6	76.9	83.6	85.8	87.8	87.8	87.8	88.2	88.7	88.7	88.7	88.9	88.9	88.9	88.9	89.6
GE 3500	34.6	76.9	83.6	85.8	87.8	87.8	87.8	88.2	88.7	88.7	88.7	88.9	88.9	88.9	88.9	89.6
GE 3000	34.6	76.9	83.6	85.8	87.8	87.8	87.8	88.2	88.7	88.7	88.7	88.9	88.9	88.9	88.9	89.6
GE 2500	34.8	77.2	83.8	86.0	88.0	88.0	88.0	88.5	88.9	88.9	88.9	89.1	89.1	89.1	89.1	89.8
GE 2000	35.5	78.5	85.4	87.6	89.6	89.6	89.6	90.0	90.5	90.5	90.5	90.7	90.7	90.7	90.7	91.4
GE 1800	37.0	80.5	87.6	89.8	91.8	91.8	91.8	92.2	92.7	92.7	92.7	92.9	92.9	92.9	92.9	93.6
GE 1500	37.3	81.2	89.1	92.0	94.0	94.0	94.0	94.5	94.9	94.9	94.9	95.1	95.1	95.1	95.1	95.8
GE 1200	37.5	81.6	90.0	92.9	95.1	95.1	95.1	95.6	96.0	96.0	96.0	96.2	96.2	96.2	96.2	96.9
GE 1000	37.5	81.6	91.1	94.2	96.5	96.7	96.7	97.1	97.6	97.6	97.6	97.8	97.8	97.8	97.8	98.4
GE 900	37.5	81.6	91.1	94.2	96.5	96.7	96.7	97.1	97.6	97.6	97.6	97.8	97.8	97.8	97.8	98.4
GE 800	37.5	81.6	91.6	94.7	97.3	97.6	97.6	98.0	98.4	98.4	98.4	98.7	98.7	98.7	98.7	99.3
GE 700	37.5	81.8	91.8	94.9	97.6	97.8	97.8	98.2	98.7	98.7	98.7	98.9	98.9	98.9	98.9	99.6
GE 600	37.5	81.8	91.8	94.9	97.6	97.8	97.8	98.2	98.7	98.7	98.7	98.9	98.9	98.9	98.9	99.6
GE 500	37.5	81.8	91.8	94.9	97.8	98.0	98.0	98.4	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.8
GE 400	37.5	81.8	91.8	94.9	97.8	98.0	98.0	98.4	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.8
GE 300	37.5	81.8	91.8	94.9	97.8	98.0	98.0	98.4	98.9	98.9	99.1	99.3	99.3	99.3	99.3	100.0
GE 200	37.5	81.8	91.8	94.9	97.8	98.0	98.0	98.4	98.9	98.9	99.1	99.3	99.3	99.3	99.3	100.0
GE 100	37.5	81.8	91.8	94.9	97.8	98.0	98.0	98.4	98.9	98.9	99.1	99.3	99.3	99.3	99.3	100.0
GE 000	37.5	81.8	91.8	94.9	97.8	98.0	98.0	98.4	98.9	98.9	99.1	99.3	99.3	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 451

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: DEC HOURS: 06-08

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE	5000	38.0	75.2	83.8	86.2	88.6	89.0	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.4	89.8	90.7
GE	4500	38.0	75.2	83.8	86.2	88.6	89.0	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.4	89.8	90.7
GE	4000	38.0	75.2	83.8	86.2	88.6	89.0	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.4	89.8	90.7
GE	3500	38.0	75.2	83.8	86.2	88.6	89.0	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.4	89.8	90.7
GE	3000	38.0	75.2	83.8	86.2	88.6	89.0	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.4	89.8	90.7
GE	2500	38.0	75.4	84.0	86.4	88.8	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.6	90.1	90.9
GE	2000	39.7	77.5	86.4	88.8	91.1	91.6	91.6	91.8	91.8	91.8	91.8	91.8	91.8	92.0	92.4	93.3
GE	1800	41.0	79.3	88.3	90.7	93.1	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	94.	94.4	95.2
GE	1500	41.0	79.7	89.0	91.4	94.0	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.8	95.2	96.1
GE	1200	41.5	80.1	89.8	92.4	95.0	95.5	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.9	96.3	97.2
GE	1000	41.5	80.1	90.7	93.3	96.1	96.8	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.4	97.8	98.7
GE	900	41.5	80.1	90.7	93.3	96.1	96.8	96.8	97.2	97.2	97.2	97.2	97.4	97.4	97.6	98.1	98.9
GE	800	41.5	80.1	90.7	93.3	96.5	97.2	97.2	97.8	97.8	97.8	98.1	98.1	98.1	98.3	98.7	99.6
GE	700	41.5	80.3	90.9	93.5	96.8	97.4	97.4	98.1	98.1	98.1	98.3	98.3	98.3	98.5	98.9	99.8
GE	600	41.5	80.3	90.9	93.5	96.8	97.4	97.4	98.1	98.1	98.1	98.3	98.3	98.3	98.5	98.9	99.8
GE	500	41.5	80.3	90.9	93.5	96.8	97.4	97.4	98.1	98.1	98.1	98.3	98.3	98.3	98.5	98.9	99.8
GE	400	41.5	80.3	90.9	93.5	96.8	97.4	97.4	98.1	98.1	98.1	98.3	98.3	98.3	98.5	98.9	99.8
GE	300	41.5	80.3	90.9	93.5	96.8	97.4	97.4	98.1	98.1	98.1	98.3	98.3	98.3	98.5	98.9	99.8
GE	200	41.5	80.3	90.9	93.5	96.8	97.4	97.4	98.1	98.1	98.1	98.3	98.3	98.3	98.5	98.9	99.8
GE	100	41.5	80.3	90.9	93.5	96.8	97.4	97.4	98.1	98.1	98.1	98.3	98.3	98.3	98.5	98.9	99.8
GE	000	41.5	80.3	90.9	93.5	96.8	97.4	97.4	98.1	98.1	98.1	98.3	98.3	98.3	98.5	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 463

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: DEC HOURS: 09-11

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE 5000		46.9	72.6	80.5	83.4	85.6	86.1	86.1	86.5	86.7	86.7	86.9	86.9	86.9	86.9	86.9	86.9
GE 4500		46.9	72.6	80.5	83.4	85.6	86.1	86.1	86.5	86.7	86.7	86.9	86.9	86.9	86.9	86.9	86.9
GE 4000		46.9	72.6	80.5	83.4	85.6	86.1	86.1	86.5	86.7	86.7	86.9	86.9	86.9	86.9	86.9	86.9
GE 3500		46.9	72.6	80.5	83.4	85.6	86.1	86.1	86.5	86.7	86.7	86.9	86.9	86.9	86.9	86.9	86.9
GE 3000		47.6	73.5	81.4	84.3	86.5	86.9	86.9	87.4	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8
GE 2500		48.0	74.1	82.1	85.0	87.4	87.8	87.8	88.3	88.5	88.5	88.7	88.7	88.7	88.7	88.7	88.7
GE 2000		49.3	76.5	84.5	87.4	90.0	90.5	90.5	90.9	91.2	91.2	91.4	91.4	91.4	91.4	91.4	91.4
GE 1800		50.4	77.7	85.6	88.5	91.2	91.6	91.6	92.0	92.3	92.3	92.5	92.5	92.5	92.5	92.5	92.5
GE 1500		51.8	79.2	87.6	90.9	93.8	94.2	94.2	94.7	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1
GE 1200		52.2	79.6	88.7	92.7	95.6	96.0	96.0	96.5	96.7	96.7	97.1	97.1	97.1	97.1	97.1	97.1
GE 1000		52.4	79.9	89.6	94.0	97.6	98.0	98.0	98.7	98.9	98.9	99.3	99.3	99.3	99.3	99.3	99.3
GE 900		52.4	79.9	89.6	94.0	97.6	98.0	98.0	98.9	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6
GE 800		52.4	79.9	89.6	94.2	97.8	98.2	98.2	99.1	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
GE 700		52.4	79.9	89.6	94.2	97.8	98.2	98.2	99.1	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
GE 600		52.4	79.9	89.6	94.2	97.8	98.2	98.2	99.1	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
GE 500		52.4	79.9	89.6	94.2	97.8	98.2	98.2	99.1	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		52.4	79.9	89.6	94.2	97.8	98.2	98.2	99.1	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		52.4	79.9	89.6	94.2	97.8	98.2	98.2	99.1	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		52.4	79.9	89.6	94.2	97.8	98.2	98.2	99.1	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		52.4	79.9	89.6	94.2	97.8	98.2	98.2	99.1	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
GE 000		52.4	79.9	89.6	94.2	97.8	98.2	98.2	99.1	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 452

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: DEC HOURS: 12-14

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE	5000	47.7	69.5	75.8	80.2	82.1	82.4	82.4	82.4	82.6	82.6	82.8	82.8	82.8	82.8	82.8	83.0
GE	4500	47.7	69.5	75.8	80.2	82.1	82.4	82.4	82.4	82.6	82.6	82.8	82.8	82.8	82.8	82.8	83.0
GE	4000	47.7	69.5	75.8	80.2	82.1	82.4	82.4	82.4	82.6	82.6	82.8	82.8	82.8	82.8	82.8	83.0
GE	3500	47.7	69.5	75.8	80.2	82.1	82.4	82.4	82.4	82.6	82.6	82.8	82.8	82.8	82.8	82.8	83.0
GE	3000	48.4	70.4	77.1	81.5	83.4	83.7	83.7	83.7	83.9	83.9	84.1	84.1	84.1	84.1	84.1	84.3
GE	2500	48.8	70.8	77.6	81.9	83.9	84.1	84.1	84.1	84.3	84.3	84.5	84.5	84.5	84.5	84.5	84.7
GE	2000	51.9	74.5	81.9	86.3	88.5	88.7	88.7	88.7	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.3
GE	1800	53.6	76.7	84.3	88.9	91.1	91.3	91.3	91.3	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.9
GE	1500	54.5	78.0	86.5	91.3	93.5	93.7	93.7	93.7	93.9	93.9	94.1	94.1	94.1	94.1	94.1	94.3
GE	1200	54.9	78.6	88.2	93.0	95.2	95.4	95.4	95.4	95.6	95.6	95.9	95.9	95.9	95.9	95.9	96.1
GE	1000	54.9	78.6	89.1	94.3	97.2	97.8	97.8	98.0	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.7
GE	900	54.9	78.6	89.3	94.6	97.4	98.0	98.0	98.3	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.9
GE	800	54.9	78.6	89.5	94.8	97.6	98.3	98.3	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.6
GE	700	54.9	78.6	89.5	94.8	97.6	98.3	98.3	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.6
GE	600	54.9	78.6	89.5	94.8	97.6	98.3	98.3	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.6
GE	500	54.9	78.6	89.5	94.8	97.6	98.3	98.3	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.6
GE	400	54.9	78.6	89.5	94.8	97.6	98.3	98.3	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.6
GE	300	54.9	78.6	89.5	94.8	97.6	98.3	98.3	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.6
GE	200	54.9	78.6	89.5	94.8	97.6	98.3	98.3	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.6
GE	100	54.9	78.6	89.5	94.8	97.6	98.3	98.3	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.6
GE	000	54.9	78.6	89.5	94.8	97.6	98.3	98.3	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 459

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: DEC HOURS: 15-17

CEILING		VISIBILITY IN METERS															
IN	FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE	5000	42.3	66.7	76.0	78.2	80.3	81.2	81.2	81.2	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE	4500	42.3	66.7	76.0	78.2	80.3	81.2	81.2	81.2	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE	4000	42.5	67.0	76.2	78.4	80.6	81.4	81.4	81.4	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE	3500	42.5	67.0	76.2	78.4	80.6	81.4	81.4	81.4	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE	3000	42.5	67.0	76.5	78.6	80.8	81.6	81.6	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE	2500	43.0	67.4	77.3	79.5	81.6	82.5	82.5	82.5	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE	2000	45.6	71.1	81.4	83.6	85.7	86.6	86.6	86.6	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE	1800	46.4	72.6	83.4	86.0	88.1	89.0	89.0	89.0	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE	1500	49.0	75.2	86.8	89.4	92.4	93.3	93.3	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE	1200	49.2	75.4	87.7	90.7	94.2	95.2	95.2	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE	1000	49.5	75.6	88.3	92.0	95.7	97.0	97.0	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE	900	49.5	75.6	88.6	92.2	96.1	97.6	97.6	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE	800	49.5	75.6	89.2	92.9	97.0	99.1	99.1	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	700	49.5	75.6	89.2	92.9	97.0	99.1	99.1	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	600	49.5	75.6	89.2	92.9	97.0	99.1	99.1	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE	500	49.5	75.6	89.2	92.9	97.0	99.1	99.1	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE	400	49.5	75.6	89.2	92.9	97.0	99.1	99.1	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE	300	49.5	75.6	89.2	92.9	97.0	99.1	99.1	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE	200	49.5	75.6	89.2	92.9	97.0	99.1	99.1	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE	100	49.5	75.6	89.2	92.9	97.0	99.1	99.1	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE	000	49.5	75.6	89.2	92.9	97.0	99.1	99.1	99.6	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 463

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: DEC HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	33.8	66.4	76.6	80.4	83.6	84.5	84.7	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 4500	33.8	66.4	76.6	80.4	83.6	84.5	84.7	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 4000	33.8	66.4	76.6	80.4	83.6	84.5	84.7	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 3500	33.8	66.4	76.6	80.4	83.6	84.5	84.7	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 3000	33.8	66.4	76.6	80.4	83.6	84.5	84.7	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 2500	34.0	67.0	77.4	81.7	84.9	85.7	86.0	86.6	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 2000	34.9	68.1	78.9	83.2	86.4	87.2	87.4	88.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 1800	35.5	69.1	80.2	84.7	88.1	88.9	89.1	89.8	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 1500	37.4	72.3	83.6	88.7	92.3	93.2	93.4	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 1200	37.7	72.8	84.5	89.6	93.6	94.5	94.7	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1000	37.7	72.8	85.1	90.2	94.3	95.7	96.0	96.6	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 900	37.7	72.8	85.1	90.2	94.3	96.0	96.2	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 800	37.7	72.8	85.3	90.4	95.1	97.2	97.4	98.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 700	37.7	73.0	86.2	91.3	96.0	98.1	98.3	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	37.7	73.0	86.2	91.3	96.0	98.1	98.3	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	37.7	73.0	86.2	91.3	96.0	98.1	98.3	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	37.7	73.0	86.2	91.3	96.0	98.1	98.3	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 300	37.7	73.0	86.2	91.3	96.0	98.1	98.3	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 200	37.7	73.0	86.2	91.3	96.0	98.1	98.3	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 100	37.7	73.0	86.2	91.3	96.0	98.1	98.3	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 000	37.7	73.0	86.2	91.3	96.0	98.1	98.3	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 470

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: DEC HOURS: 21-23

CEILING		VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00	
NO CEIL.																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE 5000	34.3	70.7	79.0	82.1	84.8	86.4	86.4	86.9	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.9	
GE 4500	34.3	70.7	79.0	82.1	84.8	86.4	86.4	86.9	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.9	
GE 4000	34.3	70.7	79.0	82.1	84.8	86.4	86.4	86.9	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.9	
GE 3500	34.3	70.7	79.0	82.1	84.8	86.4	86.4	86.9	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.9	
GE 3000	34.3	70.7	79.0	82.1	84.8	86.4	86.4	86.9	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.9	
GE 2500	34.6	71.0	79.8	83.1	85.9	87.4	87.4	87.9	88.1	88.1	88.4	88.4	88.4	88.4	88.4	88.9	
GE 2000	35.6	72.7	82.3	85.9	88.6	90.2	90.2	90.7	90.9	90.9	91.2	91.2	91.2	91.2	91.2	91.7	
GE 1800	36.1	73.7	83.6	87.1	89.9	91.4	91.4	91.9	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.9	
GE 1500	37.1	75.5	85.4	88.9	91.7	93.2	93.2	93.7	93.9	93.9	94.2	94.2	94.2	94.2	94.2	94.7	
GE 1200	37.1	75.5	86.1	89.6	92.7	94.2	94.2	94.7	94.9	94.9	95.2	95.2	95.2	95.2	95.2	95.7	
GE 1000	37.1	75.5	86.9	91.2	94.7	96.5	96.5	97.0	97.5	97.5	97.7	97.7	97.7	97.7	97.7	98.2	
GE 900	37.1	75.5	86.9	91.2	94.9	96.7	96.7	97.2	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.5	
GE 800	37.1	75.5	86.9	91.2	95.5	97.7	97.7	98.2	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.5	
GE 700	37.1	75.8	87.1	91.4	95.7	98.0	98.0	98.5	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.7	
GE 600	37.1	75.8	87.1	91.4	95.7	98.0	98.0	98.5	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.7	
GE 500	37.1	75.8	87.1	91.4	95.7	98.0	98.0	98.5	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.7	
GE 400	37.1	75.8	87.1	91.4	95.7	98.0	98.0	98.5	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.7	
GE 300	37.1	75.8	87.1	91.4	95.7	98.0	98.0	98.5	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.7	
GE 200	37.1	75.8	87.1	91.4	95.7	98.0	98.0	98.5	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.7	
GE 100	37.1	75.8	87.1	91.4	95.7	98.0	98.0	98.5	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.7	
GE 000	37.1	75.8	87.1	91.4	95.7	98.0	98.0	98.5	99.0	99.0	99.2	99.2	99.2	99.2	99.2	100.0	

TOTAL NUMBER OF OBSERVATIONS 396

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: DEC HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	38.9	71.4	79.4	82.3	84.8	85.3	85.4	85.7	86.0	86.0	86.1	86.1	86.1	86.2	86.2	86.6
GE 4500	38.9	71.4	79.4	82.3	84.8	85.3	85.4	85.7	86.0	86.0	86.1	86.1	86.1	86.2	86.2	86.6
GE 4000	39.0	71.4	79.5	82.3	84.8	85.4	85.5	85.8	86.1	86.1	86.2	86.2	86.2	86.2	86.3	86.7
GE 3500	39.0	71.4	79.5	82.3	84.8	85.4	85.5	85.8	86.1	86.1	86.2	86.2	86.2	86.2	86.3	86.7
GE 3000	39.2	71.6	79.8	82.7	85.1	85.7	85.8	86.1	86.4	86.4	86.5	86.5	86.5	86.5	86.6	87.0
GE 2500	39.4	72.0	80.3	83.3	85.8	86.4	86.5	86.8	87.1	87.1	87.2	87.2	87.2	87.2	87.3	87.7
GE 2000	41.0	74.2	82.9	85.9	88.5	89.1	89.1	89.4	89.7	89.7	89.8	89.9	89.9	89.9	89.9	90.3
GE 1800	42.1	75.8	84.7	87.8	90.4	91.0	91.0	91.3	91.6	91.6	91.7	91.8	91.8	91.8	91.8	92.2
GE 1500	43.2	77.4	86.8	90.2	93.0	93.6	93.7	94.0	94.2	94.3	94.4	94.4	94.4	94.4	94.5	94.9
GE 1200	43.5	77.8	87.8	91.4	94.3	95.0	95.0	95.4	95.7	95.7	95.8	95.8	95.8	95.9	95.9	96.3
GE 1000	43.6	77.9	88.7	92.6	95.9	96.9	96.9	97.4	97.7	97.7	97.8	97.8	97.8	97.9	97.9	98.3
GE 900	43.6	77.9	88.7	92.7	96.1	97.0	97.1	97.6	97.9	97.9	98.0	98.1	98.1	98.1	98.2	98.6
GE 800	43.6	77.9	89.0	93.0	96.6	97.8	97.8	98.4	98.8	98.8	99.0	99.0	99.0	99.0	99.1	99.5
GE 700	43.6	78.0	89.2	93.2	96.9	98.0	98.1	98.7	99.0	99.0	99.2	99.2	99.2	99.2	99.3	99.7
GE 600	43.6	78.0	89.2	93.2	96.9	98.0	98.1	98.7	99.0	99.0	99.2	99.2	99.2	99.3	99.3	99.7
GE 500	43.6	78.0	89.2	93.2	96.9	98.1	98.1	98.7	99.0	99.1	99.2	99.3	99.3	99.3	99.4	99.8
GE 400	43.6	78.0	89.2	93.2	96.9	98.1	98.1	98.7	99.0	99.1	99.2	99.3	99.3	99.3	99.4	99.8
GE 300	43.6	78.0	89.2	93.2	96.9	98.1	98.1	98.7	99.0	99.1	99.3	99.3	99.3	99.3	99.4	99.8
GE 200	43.6	78.0	89.2	93.2	96.9	98.1	98.1	98.7	99.0	99.1	99.3	99.3	99.3	99.3	99.4	99.8
GE 100	43.6	78.0	89.2	93.2	96.9	98.1	98.1	98.7	99.0	99.1	99.3	99.3	99.3	99.3	99.4	99.8
GE 000	43.6	78.0	89.2	93.2	96.9	98.1	98.1	98.7	99.0	99.1	99.3	99.3	99.3	99.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 3529



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONA ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: ALL HOURS: ALL

CEILING	VISIBILITY IN METERS															
IN FEET	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000	32.1	71.5	80.2	83.5	86.8	87.7	87.7	88.3	88.5	88.6	88.7	88.7	88.8	88.8	88.8	89.2
GE 4500	32.1	71.5	80.2	83.5	86.8	87.7	87.7	88.3	88.5	88.6	88.7	88.7	88.8	88.8	88.8	89.2
GE 4000	32.1	71.5	80.2	83.5	86.9	87.8	87.8	88.3	88.6	88.6	88.7	88.7	88.8	88.8	88.9	89.2
GE 3500	32.1	71.5	80.2	83.6	86.9	87.8	87.8	88.3	88.6	88.6	88.7	88.8	88.8	88.8	88.9	89.2
GE 3000	32.3	71.7	80.5	83.8	87.1	88.0	88.1	88.6	88.8	88.9	89.0	89.0	89.1	89.1	89.2	89.5
GE 2500	32.6	72.2	81.0	84.4	87.8	88.7	88.7	89.2	89.5	89.5	89.6	89.6	89.7	89.7	89.8	90.1
GE 2000	33.6	73.7	82.9	86.4	89.8	90.7	90.7	91.2	91.5	91.5	91.6	91.7	91.7	91.7	91.8	92.1
GE 1800	34.0	74.4	83.7	87.3	90.8	91.7	91.7	92.2	92.5	92.5	92.6	92.7	92.7	92.7	92.8	93.1
GE 1500	34.6	75.1	85.0	88.8	92.5	93.5	93.5	94.0	94.3	94.4	94.5	94.5	94.6	94.6	94.7	95.0
GE 1200	34.8	75.5	85.7	89.7	93.8	94.8	94.8	95.4	95.8	95.8	95.9	95.9	96.0	96.0	96.1	96.4
GE 1000	34.9	75.6	86.1	90.4	95.0	96.3	96.4	97.2	97.5	97.6	97.7	97.7	97.8	97.8	97.9	98.2
GE 900	34.9	75.6	86.1	90.4	95.1	96.5	96.5	97.3	97.7	97.8	97.9	97.9	98.0	98.0	98.1	98.4
GE 800	34.9	75.6	86.2	90.6	95.5	97.0	97.1	98.0	98.5	98.6	98.7	98.8	98.8	98.8	98.9	99.2
GE 700	34.9	75.6	86.2	90.6	95.5	97.1	97.2	98.2	98.7	98.7	98.9	98.9	99.0	99.0	99.1	99.4
GE 600	34.9	75.6	86.2	90.6	95.6	97.2	97.3	98.3	98.8	98.9	99.1	99.1	99.2	99.2	99.3	99.6
GE 500	34.9	75.6	86.2	90.6	95.7	97.3	97.3	98.4	98.9	99.0	99.2	99.2	99.3	99.3	99.4	99.7
GE 400	34.9	75.6	86.2	90.6	95.7	97.3	97.4	98.4	99.0	99.0	99.2	99.3	99.3	99.4	99.5	99.8
GE 300	34.9	75.6	86.2	90.6	95.7	97.3	97.4	98.4	99.0	99.0	99.3	99.3	99.3	99.4	99.5	99.9
GE 200	34.9	75.6	86.2	90.6	95.7	97.3	97.4	98.4	99.0	99.0	99.3	99.3	99.3	99.4	99.5	99.9
GE 100	34.9	75.6	86.2	90.6	95.7	97.3	97.4	98.4	99.0	99.1	99.3	99.3	99.4	99.4	99.5	99.9
GE 000	34.9	75.6	86.3	90.6	95.7	97.3	97.4	98.4	99.0	99.1	99.3	99.3	99.4	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 41203

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	EEEEEEEEEE
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTTT	EEEEEEEEEE
PP PP	AA AA	RR RR	TT	EE
PP PP	AA AA	RR RR	TT	EE
PPPPPPPP	AA AA	RRRRRRRR	TT	EEEEEE
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	EEEEEE
PP	AAAAAAAAA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EEEEEEEEEE
PP	AA AA	RR RR	TT	EEEEEEEEEE

PART E

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

TEMPERATURE--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS AND GIVE CUMULATIVE POF FOR MAXIMUM, MINIMUM, AND MEAN TEMPERATURES, RESPECTIVELY. DATA IS SUMMARIZED BY MONTH FOR ALL YEARS COMBINED. TOTALS ARE GIVEN FOR THE WHOLE YEAR. DATA IS DISPLAYED USING 5-DEGREE FAHRENHEIT INCREMENTS (GE 0, GE 5, GE 10, ETC).. THERE IS ONE SPECIAL THRESHOLD FOR "GE 33" DEGREES. MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

NOTE 1. BEGINNING IN JANUARY 1946, DAILY MAXIMUM AND MINIMUM TEMPERATURES CAME ROUTINELY FROM HOURLY OBSERVATIONS ON AWS FORMS 10/10A OR FROM AUTOMATED DATA COLLECTION FROM ALL USAF-OPERATED STATIONS. REFER TO THE "STATION HISTORY" PAGE FOR DETAILED INFORMATION ON REPORTING PRACTICES.

MONTHLY TEMPERATURES.

ALSO FROM HOURLY OBSERVATIONS, THE TABLES GIVE MONTHLY MAXIMUM AND MINIMUM TEMPERATURES BY MONTH AND BY YEAR. MONTHLY RECORD TEMPERATURES (MAX AND MIN) ARE GIVEN, ALONG WITH TOTAL OBSERVATIONS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

MEAN MONTHLY TEMPERATURE.

ALSO FROM HOURLY OBSERVATIONS, GIVES MONTHLY MEAN TEMPERATURE BY MONTH, FOR ALL MONTHS, AND FOR ALL YEARS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

DRY BULB, WET BULB, AND DEW POINT TEMPERATURES.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS--DATA IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN. THE MEAN NUMBER OF HOURS WITH TEMPERATURES FOR VARIOUS THRESHOLDS ALSO APPEAR AS SPECIFIED IN EACH SUMMARY AND IN ACCORDANCE WITH AFM 88-29, "ENGINEERING WEATHER DATA," AND AWSP 105-56, "METEOROLOGICAL TECHNIQUES."

NOTE 1. WINTER WET BULB AND DEW POINT MEAN TEMPERATURES FOR VERY COLD STATIONS MUST BE USED WITH CAUTION. WHEN THE DRY BULB TEMPERATURE IS BELOW -35 DEGREES F, DEW POINT TEMPERATURES ARE NOT REPORTED (FMH-1B). AS A RESULT, WINTER MEAN DEW POINTS (AND MORE FREQUENTLY, WINTER MEAN WET BULB TEMPERATURES) ARE ACTUALLY LOWER THAN SHOWN IN THE TABLES. IN SOME HOUR GROUPS, IN FACT, MEAN WET BULB TEMPERATURES MAY ACTUALLY BE SHOWN AS EXCEEDING THE MEAN DRY BULB TEMPERATURES.

SPECIAL CAVEAT: DURING PART TIME PERIODS, THESE SUMMARIES REPRESENT THE "HIGH" AND "LOW" TEMPERATURES RECORDED AND NOT NECESSARILY THE ACTUAL MAXIMUM AND MINIMUM VALUES. THESE SUMMARIES ARE INFLUENCED BY THE ABSENCE OF NIGHTTIME TEMPERATURE READINGS. THEREFORE, CERTAIN SUMMARIES MAY DEPICT A SLIGHT "WARM" BIAS.

TEMPERATURE CONVERSIONS:  $F = 1.8C + 32$

$C = K - 273.0$  (BEFORE 5 APRIL 77)

$C = K - 273.2$  (SINCE 5 APRIL 77)

RELATIVE HUMIDITY--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THESE TABLES GIVE POF OF RELATIVE HUMIDITY FOR 10% INCREMENTS. MEANS AND TOTAL OBSERVATION COUNTS ARE ALSO PROVIDED. THE DATA IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 163500

STATION NAME: CROTONA ITALY  
LST TO UTC: -01

PERIOD OF RECORD: 5707-5812,6410-7103,7301-8812  
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 105						.3	.3						.1
GE 100						.3	2.3	.3					.3
GE 95						1.0	7.0	3.5	.2				1.0
GE 90						4.4	24.9	18.5	3.0				4.3
GE 85					.8	17.9	53.2	47.3	9.3	.2			10.8
GE 80					6.8	49.7	85.8	83.4	41.8	2.6			22.5
GE 75			.2	1.9	29.1	82.7	98.5	98.7	82.8	24.8			34.8
GE 70			.6	7.5	61.1	96.2	100.0	99.8	96.3	56.1	5.0	.2	43.5
GE 65	1.1	1.6	5.6	25.0	85.6	99.5		100.0	99.8	82.1	22.0	1.7	51.9
GE 60	8.1	12.3	28.9	63.5	97.8	100.0			100.0	98.2	64.7	19.9	65.9
GE 55	46.9	53.5	68.2	94.3	100.0					99.7	92.5	63.9	84.8
GE 50	83.1	83.1	92.0	99.3						100.0	98.2	89.6	95.4
GE 45	95.5	94.3	98.2	100.0							100.0	98.2	98.8
GE 40	98.4	99.1	99.0									99.7	99.7
GE 35	99.4	100.0	100.0									100.0	99.9
GE 33	99.8												100.0
GE 30	100.0												100.0
MEAN	53.6	54.0	56.8	61.7	71.0	79.6	85.6	84.5	78.7	70.1	61.3	55.7	67.7
SD	5.17	5.40	5.46	5.18	5.73	5.84	5.81	5.16	4.90	5.37	4.82	4.95	12.77
TOTAL OBS	620	561	626	576	604	585	598	601	570	604	563	599	7107

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: -01

PERIOD OF RECORD: 5707-5812,6410-7103,7301-8812  
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 80							1.3	.5					.2
GE 75						1.0	11.0	6.3	.2				1.6
GE 70						6.7	39.3	40.9	8.8	.5			8.1
GE 65					2.3	30.4	74.7	79.4	43.5	6.8			19.8
GE 60				.3	17.1	70.1	95.3	98.3	34.0	36.4	3.9		33.7
GE 55	1.3	.7	1.0	8.5	58.1	95.9	100.0	100.0	48.2	76.0	22.0	4.2	47.1
GE 50	11.1	14.1	20.6	45.1	92.5	100.0			100.0	96.7	59.7	22.4	63.4
GE 45	42.1	40.8	57.3	81.3	99.0					99.8	86.1	55.6	80.1
GE 40	74.7	72.0	86.3	96.5	100.0					100.0	95.4	84.5	92.4
GE 35	93.2	94.5	97.3	100.0							100.0	97.7	98.5
GE 33	95.5	97.7	98.6									98.7	99.2
GE 30	98.5	99.8	100.0									99.7	99.8
GE 25	99.8	100.0										100.0	100.0
GE 20	100.0												100.0
MEAN	42.9	43.1	44.9	48.3	55.4	62.4	68.2	68.4	64.2	57.9	50.1	45.0	54.2
SD	5.45	5.26	4.80	4.53	4.68	4.84	4.86	4.15	4.16	4.76	5.57	5.29	10.58
TOTAL OBS	620	561	626	576	604	585	598	601	570	604	563	599	7107

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 163500

STATION NAME: CROTONA ITALY  
LST TO UTC -01

PERIOD OF RECORD: 5707-5812,6410-7103,7301-8812  
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 90						.2	1.5	.5					.2
GE 85						.7	6.7	2.5					.8
GE 80						4.3	30.6	25.8	2.6				5.3
GE 75					.8	23.6	69.1	68.2	23.2	.5			15.5
GE 70					10.8	63.6	94.1	96.3	73.2	13.6			29.2
GE 65				2.4	39.9	92.0	99.7	99.8	94.2	49.3	3.2		40.0
GE 60	.3	1.1	1.0	15.1	79.5	99.1	100.0	100.0	100.0	84.4	22.7	1.5	50.3
GE 55	8.4	11.2	23.5	58.3	97.7	100.0				98.8	61.3	21.5	65.0
GE 50	44.2	46.0	67.4	90.8	99.8					99.8	91.8	60.4	83.2
GE 45	83.9	81.6	92.3	100.0	100.0					100.0	98.6	90.8	95.6
GE 40	95.8	95.9	98.6								100.0	99.0	99.1
GE 35	98.9	100.0	99.5									99.8	99.8
GE 33	99.2		100.0									100.0	99.9
GE 30	99.8												100.0
GE 25	100.0												100.0
MEAN	48.5	48.8	51.1	55.3	63.4	71.2	77.1	76.7	71.7	64.3	56.0	50.6	61.2
SD	4.81	4.84	4.55	4.24	4.71	4.87	4.95	4.21	4.06	4.55	4.71	4.53	11.42
TOTAL OBS	620	561	626	576	604	585	598	601	570	604	563	599	7107

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: -01

PERIOD OF RECORD: 5707-5812,6410-7103,7301-8812  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
57							*	*	*	*	*	*	*
58	*	*	*	*	*	*	*	*	*	*	*	*	*
64										75*	66*	61*	75*
65	59*	55*	64*	66*	77*	91*	99*	88*	88*	79*	68*	64*	99*
66	63*	64*	61*	72*	79*	90*	91*	95*	86*	77*	68*	61	95*
67	59*	66	68	66*	86	91	99	99	84	81	72*	63	99*
68	59*	63*	66*	77*	82*	88*	100*	88*	84*	77	70*	61*	100*
69	59*	63*	64*	73	86	84	91	102	86*	77	72*	61	102*
70	61	64	72*	77*	77*	90	95	102	91	73	70	64	102*
71	63	59	59										63*
73	59	60	59	66	84	87	100	87	84	77	66	62	100
74	66	60	68	68	78	86	100	96	87	73	66	64	100
75	60	59	62	69	78	95	98	89	96	82	68	64	98
76	62	60	60	78	77	87	89	86	87	84*	68*	66*	89*
77	66	68	75	73	84	88	100	93	86	79	73	66	100
78	63	68	68	72	75	88	99*	91	82*	75	66	68	99*
79	64	68*	68	64	86	95	93	97	82*	84	70	70	97*
80	63	66	64	66	75	88	95	95	84	77	68	61	95
81	59	63	68	73	82	95	95	97	88	88	72	64	97
82	66	56*	62*	68*	81*	109*	95*	94*	90*	82*	67*	63*	109*
83	65*	59*	65	75*	86*	87*	104	90	86*	78	64*	63*	104*
84	61*	60*	66*	70	76*	90	95*	90*	83	74*	70*	61*	95*
85	64	61*	63*	76*	82	90	94	91*	91*	78	72*	63	94*
86	61*	62*	67	71	86*	86*	90*	95	91*	80	64*	61	95*
87	65*	59*	63	68*	72*	106*	103*	94*	92*	82*	71*	67*	106*
88	63*	61*	66	69	81	90*	107*	95*	89*	77*	65*	64*	107*



MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

PERIOD OF RECORD: 5707-5812,6410-7103,7301-8812  
MONTH: ALL HOURS: ALL

	66	68	75	78	86	109	107	102	96	88	73	70	109	
GREATEST	66	68	75	78	86	109	107	102	96	88	73	70	109	
TOTAL OBS	620	561	626	576	604	585	598	601	570	604	563	599	7107	

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 163500

STATION NAME: CROSTONE ITALY  
LST TO UTC: -01

PERIOD OF RECORD: 5707-5812,6410-7103,7301-8812  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
57							*	*	*	*	*	*	*
58	*	*	*	*	*	*	*	*	*	*	*	*	*
64										52*	48*	45*	45*
65	41*	30*	37*	39*	52*	57*	63*	63*	55*	52*	45*	37*	30*
66	30*	39*	37*	37*	48*	55*	61*	66*	59*	54*	39*	37	30*
67	32*	32	37	39*	50	54	59	64	59	52	43*	32	32*
68	27*	36*	32*	45*	52*	59*	57*	61*	57*	48	45*	34*	27*
69	37*	30*	37*	37	54	50	59	63	59*	52	36*	37	30*
70	41	30	36*	41*	43*	55	59	59	57	46	41	41	30*
71	39	32	32										32*
73	39	35	37	41	50	60	66	68	62	48	39	33	33
74	39	33	41	39	42	51	59	62	53	46	41	35	33
75	32	32	35	41	48	53	55	62	60	50	35	39	32
76	32	33	33	41	48	51	60	60	51	51*	35*	30*	30*
77	35	37	32	37	46	54	63	61	54	48	36	37	32
78	30	34	37	41	45	52	59*	57	54*	43	39	39	30*
79	23	37*	36	36	43	57	57	61	52*	50	43	32	23*
80	30	37	34	37	46	50	57	59	57	50	39	32	30
81	25	32	39	43	43	54	55	55	50	45	37	32	25
82	36	32*	36*	39*	45*	52*	59*	55*	61*	52*	46*	37*	32*
83	37*	28*	37	41*	49*	52*	64	64	59*	48	45*	39*	28*
84	37*	35*	37*	38	49*	55	60*	63*	56	48*	48*	36*	35*
85	32	33*	40*	45*	44	58	63	59*	62*	50	43*	39	32*
86	37*	36*	40	42	54*	52*	63*	67	62*	53	45*	32	32*
87	31*	36*	30	41*	45*	52*	64*	67*	62*	55*	45*	37*	30*
88	38*	36*	34	41	46	56*	66*	64*	58*	52*	40*	29*	29*

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

PERIOD OF RECORD: 5707-5812,6410-7103,7301-8812  
MONTH: ALL HOURS: ALL

LEAST	23	28	30	36	42	50	55	55	50	43	35	29	23
TOTAL OBS	620	561	626	576	604	585	598	601	570	604	563	599	7107

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

TATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: -01

PERIOD OF RECORD: 5707-5812,6410-7103,7301-8812  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
57							*	*	*	*	*	*	0*
58	*	*	*	*	*	*	*	*	*	*	*	*	0*
64										64*	58*	54*	58*
65	50*	43*	52*	55*	66*	76*	81*	74*	71*	65*	58*	52*	63*
66	44*	53*	51*	58*	62*	73*	76*	79*	71*	67*	55*	50	62*
67	47*	49	52	54*	64	69	77	79	73	67	59*	51	62*
68	45*	52*	52*	59*	67*	71*	77*	75*	72*	64	58*	51*	62*
69	48*	49*	52*	56	67	69	75	76	71*	63	59*	49	61*
70	52	50	52*	58*	60*	73	77	79	73	61	56	52	62*
71	51	48	48										49*
73	50	50	48	54	67	71	79	77	74	66	55	50	62
74	50	49	52	54	61	70	76	78	71	60	54	50	61
75	48	46	52	54	63	70	76	75	73	64	54	51	61
76	47	49	49	54	62	71	76	72	68	66*	55*	50*	60*
77	51	53	54	54	65	71	78	75	70	63	57	49	62
78	48	50	52	54	60	71	76*	74	69*	61	53	53	60*
79	47	51*	54	53	63	73	76	75	69*	65	56	52	61*
80	48	49	51	52	60	68	74	77	71	64	56	47	60
81	42	47	54	56	63	73	73	75	72	66	51	51	60
82	50	46*	49*	53*	62*	74*	78*	78*	74*	64*	57*	50*	61*
83	50*	45*	52	58*	65*	70*	80	77	72*	63	55*	51*	62*
84	50*	48*	50*	54	62*	70	76*	75*	71	64*	59*	52*	61*
85	48	47*	52*	58*	66	72	79	77*	72*	64	58*	53	62*
86	49*	48*	52	57	66*	72*	76*	80	73*	65	56*	48	62*
87	48*	48*	46	56*	60*	72*	81*	80*	78*	68*	59*	53*	62*
88	52*	50*	50	57	65	73*	85*	81*	71*	67*	53*	47*	63*

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

PERIOD OF RECORD: 5707-5812,6410-7103,7301-8812  
MONTH: ALL HOURS: ALL

MEAN	48.5	48.8	51.1	55.3	63.4	71.2	77.1	76.7	71.7	64.3	56.0	50.6	61.2
TOTAL OBS	620	561	626	576	604	585	598	601	570	604	563	599	7107

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OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	45.3	6.324	372	0	13	0	0	0	372
03-05	44.5	6.406	455	0	24	0	0	0	455
06-08	44.5	6.462	469	0	21	0	0	0	469
09-11	48.5	6.348	460	0	10	0	0	0	460
12-14	51.8	6.785	463	0	12	2	0	0	463
15-17	50.7	6.378	468	0	8	2	0	0	468
18-20	47.3	6.147	454	0	11	0	0	0	454
21-23	45.9	6.125	381	0	13	0	0	0	381
ALL HOURS	47.4	6.882	3522	0	112	4	0	0	3522

MONTH: FEB

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	45.2	5.412	326	0	3	0	0	0	326
03-05	44.6	5.316	368	0	3	0	0	0	368
06-08	44.1	5.591	370	0	4	0	0	0	370
09-11	48.7	5.330	359	0	0	1	0	0	359
12-14	51.7	5.339	358	0	0	2	0	0	358
15-17	51.2	5.036	348	0	0	1	0	0	348
18-20	47.6	4.774	357	0	0	1	0	0	357
21-23	46.3	4.985	320	0	0	0	0	0	320
ALL HOURS	47.4	5.939	2806	0	10	5	0	0	2806

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE TALLY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN LE 0	NUMBER OF LE 32	HOURS WITH GE 65	TEMPERATURES GE 80	DEG F GE 93	TOTAL HOURS
00-02	47.9	5.147	361	0	5	0	0	0	361
03-05	47.2	5.021	411	0	4	0	0	0	411
06-08	46.8	5.679	409	0	7	1	0	0	409
09-11	53.7	5.494	405	0	1	2	0	0	405
12-14	56.3	5.437	413	0	0	15	0	0	413
15-17	55.2	5.281	409	0	0	9	0	0	409
18-20	51.4	4.558	401	0	0	0	0	0	401
21-23	49.2	4.734	361	0	2	0	0	0	361
ALL HOURS	5.0	6.205	3170	0	19	27	0	0	3170

MONTH: APR

00-02	50.7	4.378	352	0	0	1	0	0	352
03-05	49.7	4.526	427	0	0	0	0	0	427
06-08	50.3	4.590	439	0	0	1	0	0	439
09-11	58.4	4.966	432	0	0	38	0	0	432
12-14	60.8	4.960	444	0	0	85	0	0	444
15-17	60.0	5.117	427	0	0	64	0	0	427
18-20	55.3	4.256	423	0	0	6	0	0	423
21-23	52.2	4.103	351	0	0	1	0	0	351
ALL HOURS	54.8	6.382	3295	0	0	196	0	0	3295

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	57.0	4.708	353	0	0	18	0	0	353
03-05	55.7	4.835	409	0	0	12	0	0	409
06-08	58.9	5.456	410	0	0	57	0	0	410
09-11	67.5	6.344	404	0	0	250	13	0	404
12-14	69.6	6.281	406	0	0	308	26	0	406
15-17	68.9	6.207	407	0	0	292	18	0	407
18-20	63.9	5.460	398	0	0	155	2	0	398
21-23	58.8	4.404	345	0	0	37	0	0	345
ALL HOURS	62.7	7.657	3132	0	0	1129	59	0	3132

MONTH: JUN

00-02	64.8	4.647	351	0	0	172	0	0	351
03-05	63.5	5.005	406	0	0	158	1	0	406
06-08	68.0	5.235	434	0	0	312	7	0	434
09-11	77.0	5.780	423	0	0	415	143	5	423
12-14	79.3	5.905	425	0	0	416	205	7	425
15-17	78.4	5.721	415	0	0	412	166	4	415
18-20	74.1	5.485	404	0	0	390	70	1	404
21-23	67.8	4.791	345	0	0	246	5	0	345
ALL HOURS	71.9	8.025	3203	0	0	2521	597	17	3203



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	70.6	5.112	380	0	0	326	18	0	380
03-05	68.7	5.190	451	0	0	332	18	0	451
06-08	72.4	5.679	468	0	0	421	48	0	468
09-11	82.1	5.689	463	0	0	463	295	21	463
12-14	84.9	6.255	466	0	0	466	379	49	466
15-17	84.2	6.423	469	0	0	469	364	34	469
18-20	79.3	6.029	455	0	0	455	208	15	455
21-23	73.6	4.719	362	0	0	356	40	0	362
ALL HCJRS	77.3	8.272	3514	0	0	3288	1370	119	3514

MONTH: AUG

00-02	71.9	4.327	369	0	0	344	9	0	369
03-05	70.1	4.460	435	0	0	376	5	0	435
06-08	71.4	4.996	441	0	0	389	25	0	441
09-11	81.5	5.404	432	0	0	430	283	7	432
12-14	84.6	5.481	428	0	0	428	348	31	428
15-17	83.6	5.421	418	0	0	418	315	21	418
18-20	78.7	4.927	407	0	0	406	167	1	407
21-23	74.1	3.893	361	0	0	353	27	0	361
ALL HOURS	77.1	7.418	3291	0	0	3144	1179	60	3291

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	67.3	4.050	344	0	0	249	2	0	344
03-05	65.8	4.125	402	0	0	235	0	0	402
06-08	65.5	4.385	397	0	0	218	1	0	397
09-11	75.3	4.917	411	0	0	400	71	0	411
12-14	78.4	5.310	414	0	0	403	164	2	414
15-17	77.0	5.283	401	0	0	394	106	2	401
18-20	72.0	4.283	396	0	0	373	17	0	396
21-23	69.0	3.952	346	0	0	297	3	0	346
ALL HOURS	71.4	6.633	3111	0	0	2569	364	4	3111

MONTH: OCT

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	61.1	4.802	372	0	0	82	0	0	372
03-05	60.1	4.683	440	0	0	73	0	0	440
06-08	60.0	5.062	453	0	0	81	0	0	453
09-11	67.6	5.433	445	0	0	301	3	0	445
12-14	70.4	5.743	444	0	0	361	17	0	444
15-17	68.6	5.675	449	0	0	327	10	0	449
18-20	64.5	4.734	442	0	0	221	0	0	442
21-23	62.4	4.724	374	0	0	123	1	0	374
ALL HOURS	64.4	6.450	3419	0	0	1569	31	0	3419

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	52.5	5.765	340	0	0	3	0	0	340
03-05	51.7	6.002	402	0	0	2	0	0	402
06-08	51.6	5.867	415	0	0	2	0	0	415
09-11	56.8	5.341	395	0	0	21	0	0	395
12-14	60.2	5.207	402	0	0	69	0	0	402
15-17	58.6	5.280	414	0	0	49	0	0	414
18-20	54.9	5.404	428	0	0	11	0	0	428
21-23	53.5	5.609	345	0	0	7	0	0	345
ALL HOURS	55.0	6.338	3141	0	0	164	0	0	3141

MONTH: DEC

00-02	47.7	5.886	355	0	1	0	0	0	355
03-05	47.3	5.891	406	0	1	0	0	0	406
06-08	47.1	6.209	424	0	6	0	0	0	424
09-11	51.8	5.404	410	0	0	1	0	0	410
12-14	55.1	5.633	428	0	0	7	0	0	423
15-17	54.0	5.275	439	0	0	2	0	0	439
18-20	49.9	5.172	436	0	1	0	0	0	436
21-23	48.8	5.546	380	0	1	0	0	0	380
ALL HOURS	50.3	6.386	3278	0	10	10	0	0	3278

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	57.0	10.867	4275	0	22	1195	29	0	4275
03-05	55.9	10.559	5012	0	32	1183	24	0	5012
06-08	56.9	11.641	5129	0	38	1482	81	0	5129
09-11	64.4	13.402	5039	0	11	2322	808	33	5039
12-14	67.2	13.375	5091	0	12	2562	1139	89	5091
15-17	66.0	13.338	5064	0	8	2439	979	61	5064
18-20	61.6	12.709	5001	0	12	2018	464	17	5001
21-23	58.5	11.276	4271	0	16	1420	76	0	4271
ALL HOURS	61.1	12.950	38882	0	151	14626	3600	200	38882

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	42.9	6.604	369	30	57	0	0	0	369
03-05	42.2	6.571	451	39	51	0	0	0	451
06-08	42.0	6.591	469	46	51	0	0	0	469
09-11	45.0	6.476	457	25	108	0	0	0	457
12-14	47.0	6.474	460	16	188	0	0	0	460
15-17	46.5	6.515	462	18	162	0	0	0	462
18-20	44.3	6.445	452	29	96	0	0	0	452
21-23	43.2	6.488	380	27	65	0	0	0	380
ALL HOURS	44.2	6.804	3500	230	778	0	0	0	3500

MONTH: FEB

00-02	42.6	5.707	324	12	48	0	0	0	324
03-05	42.1	5.650	368	14	47	0	0	0	368
06-08	41.4	5.766	370	18	43	0	0	0	370
09-11	44.9	5.335	356	6	76	0	0	0	356
12-14	46.7	5.387	358	4	123	0	0	0	358
15-17	46.8	5.199	345	3	112	0	0	0	345
18-20	44.6	5.205	354	7	64	0	0	0	354
21-23	43.5	5.274	320	9	45	0	0	0	320
ALL HOURS	44.1	5.802	2795	73	558	0	0	0	2795

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	45.2	5.283	359	9	86	0	0	0	359
03-05	44.8	5.264	407	9	92	0	0	0	407
06-08	44.3	5.791	407	15	89	0	0	0	407
09-11	49.0	5.395	402	8	218	0	0	0	402
12-14	50.6	5.308	410	6	271	0	0	0	410
15-17	50.3	5.266	407	7	249	0	0	0	407
18-20	48.3	5.045	399	6	180	0	0	0	399
21-23	46.5	5.061	360	6	111	0	0	0	360
ALL HOURS	47.4	5.790	3151	66	1296	0	0	0	3151

MONTH: APR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	48.1	4.381	352	0	130	0	0	0	352
03-05	47.4	4.517	424	0	134	0	0	0	424
06-08	47.6	4.598	438	0	159	0	0	0	438
09-11	52.8	4.588	431	0	328	0	0	0	431
12-14	54.2	4.416	442	0	372	0	0	0	442
15-17	53.9	4.441	426	0	353	0	0	0	426
18-20	51.9	4.258	422	0	303	0	0	0	422
21-23	49.6	4.132	350	0	201	0	0	0	350
ALL HOURS	50.8	5.189	3285	0	1980	0	0	0	3285

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	54.3	4.506	350	0	300	0	0	0	350
03-05	53.0	4.543	407	0	323	0	0	0	407
06-08	55.1	4.660	410	0	361	0	0	0	410
09-11	59.4	4.290	404	0	397	17	0	0	404
12-14	60.3	3.931	404	0	401	24	0	0	404
15-17	60.3	4.071	406	0	404	21	0	0	406
18-20	59.0	4.278	396	0	389	20	0	0	396
21-23	56.1	4.047	344	0	330	2	0	0	344
ALL HOURS	57.3	5.070	3121	0	2905	84	0	0	3121

MONTH: JUN

00-02	60.6	4.017	347	0	344	22	0	0	347
03-05	59.7	4.179	400	0	394	14	0	0	400
06-08	61.7	3.969	433	0	432	42	0	0	433
09-11	64.4	3.669	423	0	423	137	2	0	423
12-14	65.1	3.770	419	0	419	155	4	1	419
15-17	65.3	3.716	412	0	412	157	7	0	412
18-20	65.0	3.908	402	0	402	144	9	0	402
21-23	63.0	3.941	342	0	342	70	1	0	342
ALL HOURS	63.2	4.412	3178	0	3168	741	23	1	3178

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	65.1	4.712	378	0	378	158	15	0	378
03-05	63.3	4.705	450	0	450	127	1	0	450
06-08	64.3	4.436	465	0	465	161	8	0	465
09-11	67.4	4.131	461	0	461	283	47	0	461
12-14	68.2	4.115	463	0	463	296	68	1	463
15-17	68.2	4.329	465	0	465	311	74	2	465
18-20	68.5	4.476	454	0	454	315	83	2	454
21-23	67.3	4.420	362	0	362	221	40	0	362
ALL HOURS	66.6	4.779	3498	0	3498	1872	336	5	3498

MONTH: AUG

00-02	66.8	4.179	365	0	365	211	30	0	365
03-05	65.2	4.048	434	0	434	168	19	0	434
06-08	65.2	3.969	436	0	436	171	12	0	436
09-11	68.8	3.762	432	0	432	324	62	0	432
12-14	70.0	3.975	425	0	425	345	103	1	425
15-17	70.1	4.053	417	0	417	339	113	4	417
18-20	70.2	4.367	405	0	405	317	145	1	405
21-23	68.9	4.164	359	0	359	258	76	0	359
ALL HOURS	68.1	4.545	3273	0	3273	2133	560	6	3273



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	63.2	4.044	344	0	343	79	1	0	344
03-05	62.0	4.353	400	0	400	59	2	0	400
06-08	61.2	4.450	396	0	393	42	0	0	396
09-11	65.8	3.918	410	0	410	195	14	0	410
12-14	57.0	4.010	413	0	413	235	30	0	413
15-17	66.5	4.179	399	0	399	209	29	0	399
18-20	66.2	4.335	395	0	395	203	22	0	395
21-23	64.8	3.969	345	0	345	119	5	0	345
ALL HOURS	64.6	4.700	3102	0	3098	1141	103	0	3102

MONTH: OCT

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	58.0	4.911	369	0	351	15	0	0	369
03-05	57.3	4.735	437	0	412	14	0	0	437
06-08	56.8	4.983	450	0	420	17	0	0	450
09-11	61.3	4.899	441	0	436	64	2	0	441
12-14	62.8	4.965	439	0	439	110	10	0	439
15-17	62.2	5.213	448	0	443	103	2	0	448
18-20	60.5	5.122	442	0	429	55	0	0	442
21-23	59.2	4.993	372	0	359	29	1	0	372
ALL HOURS	59.8	5.421	3398	0	3289	407	15	0	3398

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	50.0	6.237	339	0	183	0	0	0	339
03-05	49.2	6.298	401	1	196	0	0	0	401
06-08	49.2	6.171	415	0	199	0	0	0	415
09-11	52.9	5.943	394	0	289	0	0	0	394
12-14	54.7	5.982	400	0	331	1	0	0	400
15-17	54.2	6.050	413	0	338	0	0	0	413
18-20	51.9	6.199	425	1	287	0	0	0	425
21-23	50.9	6.178	345	2	204	0	0	0	345
ALL HOURS	51.7	6.426	3132	4	2027	1	0	0	3132

MONTH: DEC

00-02	45.1	5.984	355	6	86	0	0	0	355
03-05	44.8	6.052	406	11	95	0	0	0	406
06-08	44.4	6.268	422	14	93	0	0	0	422
09-11	48.1	5.493	409	4	172	0	0	0	409
12-14	50.0	5.423	426	3	250	0	0	0	426
15-17	49.5	5.452	438	3	239	0	0	0	438
18-20	46.9	5.489	436	4	153	0	0	0	436
21-23	46.1	5.687	379	6	110	0	0	0	379
ALL HOURS	46.9	6.058	3271	51	1198	0	0	0	3271

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONA ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F						TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80		
00-02	53.6	10.049	4251	57	2671	485	46	0	4251	
03-05	52.7	9.760	4985	74	3028	382	22	0	4985	
06-08	52.9	10.093	5111	93	3141	433	20	0	5111	
09-11	56.9	9.862	5020	43	3750	1020	127	0	5020	
12-14	58.2	9.541	5059	29	4095	1166	215	3	5059	
15-17	57.9	9.655	5038	31	3993	1140	225	6	5038	
18-20	56.5	10.486	4982	47	3557	1054	259	3	4982	
21-23	54.9	10.392	4258	50	2833	699	123	0	4258	
ALL HOURS	55.5	10.192	38704	424	27068	6379	1037	12	38704	

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	70.0	8.513	369	35	273	369	0	369
03-05	39.3	8.509	451	45	326	451	0	451
06-08	39.0	8.500	469	43	331	469	0	469
09-11	41.0	8.799	457	46	350	456	0	457
12-14	41.9	8.905	460	40	354	455	0	460
15-17	41.8	9.356	462	42	354	457	0	462
18-20	40.9	8.728	452	40	343	452	0	452
21-23	40.0	8.729	380	41	286	380	0	380
ALL HOURS	40.5	8.856	3500	332	2617	3489	0	3500

MONTH: FEB

00-02	39.4	7.334	324	24	224	324	0	358
03-05	39.1	7.288	368	27	246	368	0	358
06-08	38.2	7.454	370	33	230	370	0	358
09-11	40.6	7.014	356	17	260	356	0	358
12-14	41.4	7.755	358	19	271	356	0	358
15-17	42.1	7.489	345	17	268	342	0	358
18-20	41.2	7.267	354	18	274	354	0	358
21-23	40.4	7.157	320	21	237	320	0	358
ALL HOURS	40.3	7.487	2795	176	2010	2790	0	2795

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	42.4	6.678	359	10	298	359	0	359
03-05	42.3	6.658	407	12	338	407	0	407
06-08	41.4	7.107	407	19	321	406	0	407
09-11	44.6	7.313	402	11	345	399	0	402
12-14	45.2	7.948	410	17	353	399	0	410
15-17	45.6	7.875	407	11	355	396	0	407
18-20	45.3	7.119	399	10	355	396	0	399
21-23	43.8	6.585	360	9	314	360	0	360
ALL HOURS	43.8	7.379	3151	99	2679	3122	0	3151

MONTH: APR

00-02	45.7	5.362	352	0	329	351	0	442
03-05	45.3	5.185	424	0	397	422	0	442
06-08	45.1	5.560	438	1	404	434	0	442
09-11	47.8	6.465	431	1	404	398	0	442
12-14	48.5	6.321	442	0	423	393	0	442
15-17	48.8	6.287	426	1	407	380	0	442
18-20	48.9	5.786	422	0	406	397	0	442
21-23	47.2	5.255	350	0	337	348	0	442
ALL HOURS	47.2	6.050	3285	3	3107	3123	0	3285

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	52.2	4.956	350	0	348	267	0	350
03-05	50.9	5.208	407	0	397	351	0	407
06-08	52.2	5.370	410	0	406	307	0	410
09-11	53.5	5.905	404	0	399	259	5	404
12-14	53.7	5.874	404	0	402	250	5	404
15-17	54.2	5.702	406	0	405	240	10	406
18-20	55.5	5.293	396	0	396	208	14	396
21-23	54.1	4.489	344	0	344	227	3	344
ALL HOURS	53.3	5.616	3121	0	3097	2109	37	3121

MONTH: JUN

00-02	57.8	5.327	347	0	346	110	17	419
03-05	57.0	4.971	400	0	400	152	5	419
06-08	57.5	5.218	433	0	433	146	23	419
09-11	56.4	6.057	423	0	423	184	31	419
12-14	56.2	6.247	419	0	417	188	28	419
15-17	57.1	6.146	412	0	412	160	40	419
18-20	59.4	6.374	402	0	402	107	84	419
21-23	59.9	5.195	342	0	342	69	58	419
ALL HOURS	57.6	5.897	3178	0	3175	1116	286	3178

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	61.7	6.419	378	0	378	71	141	378
03-05	59.7	6.327	450	0	450	122	107	450
06-08	59.2	6.371	465	0	465	147	99	465
09-11	58.7	6.802	461	0	461	169	88	461
12-14	58.5	6.765	463	0	463	178	86	463
15-17	58.9	7.305	465	0	465	162	97	465
18-20	62.4	7.419	454	0	454	85	190	454
21-23	63.7	6.470	362	0	362	48	183	362
ALL HOURS	60.2	7.013	3498	0	3498	982	991	3498

MONTH: AUG

00-02	63.9	5.540	365	0	365	36	178	425
03-05	62.2	5.493	434	0	434	60	148	425
06-08	61.5	5.446	436	0	436	65	128	425
09-11	61.6	6.022	432	0	432	83	136	425
12-14	62.2	6.657	425	0	425	74	161	425
15-17	62.8	6.866	417	0	417	68	168	425
18-20	65.6	6.785	405	0	405	43	245	425
21-23	66.0	5.730	359	0	359	21	220	425
ALL HOURS	63.1	6.349	3273	0	3273	450	1384	3273

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	60.6	5.468	344	0	343	61	84	344
03-05	59.6	5.614	400	0	400	96	67	400
06-08	58.3	5.700	396	0	396	118	43	396
09-11	60.0	6.007	410	0	410	96	88	410
12-14	60.2	6.311	413	0	413	99	99	413
15-17	60.2	7.106	399	0	399	112	118	399
18-20	62.6	6.384	395	0	395	66	169	395
21-23	62.2	5.387	345	0	345	47	115	345
ALL HOURS	60.4	6.205	3102	0	3101	695	783	3102

MONTH: OCT

00-02	55.7	5.765	369	0	369	178	18	439
03-05	55.2	5.503	437	0	437	236	17	439
06-08	54.4	5.796	450	0	450	266	18	439
09-11	57.1	6.454	441	0	441	173	46	439
12-14	57.6	7.006	439	0	438	165	66	439
15-17	57.8	7.339	448	0	443	166	75	439
18-20	57.8	6.760	442	0	438	168	70	439
21-23	56.9	6.275	372	0	370	153	35	439
ALL HOURS	56.6	6.542	3398	0	3386	1505	345	3398



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV

HOUR LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	47.7	7.618	339	6	311	295	0	339
03-05	47.0	7.569	401	8	362	355	0	401
06-08	46.9	7.511	415	10	376	373	0	415
09-11	49.3	8.101	394	10	363	319	0	394
12-14	49.8	9.165	400	16	364	289	2	400
15-17	50.1	8.991	413	16	380	294	2	413
18-20	49.1	8.293	425	7	392	339	0	425
21-23	48.4	7.882	345	8	322	294	0	345
ALL HOURS	48.6	8.280	3132	81	2870	2558	4	3132

MONTH: DEC

00-02	42.4	7.247	355	13	286	347	0	426
03-05	42.1	7.354	406	17	312	397	0	426
06-08	41.5	7.404	422	19	331	419	0	426
09-11	44.3	7.039	409	10	355	400	0	426
12-14	45.1	7.371	426	9	375	408	0	426
15-17	45.0	7.551	438	9	377	422	0	426
18-20	43.9	7.116	436	13	365	432	0	426
21-23	43.3	6.911	379	9	322	377	0	426
ALL HOURS	43.5	7.400	3271	99	2723	3202	0	3271

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	50.9	10.768	4251	88	3870	2768	438	4251
03-05	50.1	10.412	4985	109	4499	3417	344	4985
06-08	49.7	10.494	5111	125	4579	3520	311	5111
09-11	51.4	10.031	5020	95	4643	3292	394	5020
12-14	51.8	10.107	5059	101	4698	3254	447	5059
15-17	52.1	10.268	5038	96	4682	3199	510	5038
18-20	52.8	11.035	4982	88	4625	3047	772	4982
21-23	52.1	11.159	4258	88	3940	2644	614	4258
ALL HOURS	51.4	10.569	38704	790	35536	25141	3830	38704

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN

HOURS LST	10%	20%	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO							90%	MEAN	TOTAL OBS
			30%	40%	50%	60%	70%	80%				
00-02	100.0	100.0	100.0	99.5	97.6	93.8	86.7	69.1	25.5	82.0		369
03-05	100.0	100.0	100.0	99.3	96.7	92.7	86.5	70.7	27.9	81.9		451
06-08	100.0	100.0	99.4	99.4	96.6	92.1	85.9	70.4	26.9	81.5		469
09-11	100.0	100.0	99.6	96.9	93.4	86.4	74.6	48.4	13.8	76.2		457
12-14	100.0	100.0	98.7	93.9	89.1	75.4	55.4	31.5	8.0	70.0		460
15-17	100.0	99.6	98.3	95.0	91.6	80.5	64.5	40.5	11.0	72.6		462
18-20	100.0	100.0	100.0	98.2	94.9	89.4	81.6	61.9	21.0	79.2		452
21-23	100.0	100.0	100.0	98.4	95.3	91.1	83.7	64.5	23.9	80.3		380
ALL HOURS	100.0	99.9	99.5	97.5	94.3	87.4	77.0	56.6	19	77.8		3500

MONTH: FEB

00-02	100.0	100.0	100.0	99.4	97.5	92.6	86.4	63.3	17.6	80.5		324
03-05	100.0	100.0	99.7	9.2	98.1	94.0	87.5	65.8	18.8	81.3		368
06-08	100.0	100.0	100.0	99.5	98.1	91.9	82.2	65.7	16.2	80.2		370
09-11	100.0	100.0	99.7	98.9	94.7	86.0	67.1	43.0	7.6	74.2		356
12-14	100.0	100.0	99.7	95.0	91.1	73.2	53.4	27.7	3.6	69.0		358
15-17	100.0	100.0	99.7	98.0	92.2	78.8	61.7	37.1	8.4	72.2		345
18-20	100.0	100.0	99.7	99.2	96.9	91.2	79.4	61.9	16.1	79.0		354
21-23	100.0	100.0	99.7	99.1	97.8	93.1	83.8	66.9	15.3	80.1		320
ALL HOURS	100.0	100.0	99.8	98.5	95.8	87.5	75.1	53.8	12.9	77.0		2795

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR

HOURS LST	10%	20%	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO							90%	MEAN	TOTAL OBS
			30%	40%	50%	60%	70%	80%				
00-02	100.0	100.0	99.7	99.7	99.2	95.3	88.6	67.7	18.9	81.7		359
03-05	100.0	100.0	99.8	99.8	99.8	96.3	92.1	73.2	23.3	83.4		407
06-08	100.0	100.0	100.0	99.8	98.3	95.1	87.5	70.3	17.4	81.8		407
09-11	100.0	100.0	100.0	98.5	92.8	79.4	61.9	37.1	4.2	72.4		402
12-14	100.0	100.0	99.3	94.9	84.4	68.3	51.2	27.8	4.1	67.9		410
15-17	100.0	100.0	99.5	96.3	89.2	76.7	60.2	38.1	8.4	71.6		407
18-20	100.0	99.7	99.7	98.7	98.2	93.0	83.0	64.4	18.0	80.4		399
21-23	100.0	100.0	99.7	99.7	98.9	96.1	86.7	68.9	18.9	82.0		360
ALL HOURS	100.0	100.0	99.7	98.4	95.0	87.2	76.0	55.5	14.0	77.5		3151

MONTH: APR

HOURS LST	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	100.0	100.0	99.7	98.3	96.0	90.9	77.3	27.8	83.9	352
03-05	100.0	100.0	100.0	100.0	99.8	97.2	92.2	81.4	32.5	85.2	424
06-08	100.0	100.0	100.0	100.0	99.5	97.7	89.5	71.9	21.9	82.8	438
09-11	100.0	100.0	100.0	97.9	89.1	71.2	50.1	26.5	4.2	69.0	431
12-14	100.0	100.0	100.0	97.3	84.8	60.2	41.0	19.5	2.3	65.3	442
15-17	100.0	100.0	99.8	97.7	88.7	70.0	46.5	25.4	4.5	68.2	426
18-20	100.0	100.0	100.0	99.3	98.1	92.4	78.7	59.7	17.8	79.7	422
21-23	100.0	100.0	100.0	99.7	98.9	96.9	90.9	74.0	21.7	83.6	350
ALL HOURS	100.0	100.0	100.0	98.9	94.4	84.6	71.5	53.3	16.1	76.9	3285

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY

HOURS LST	10%	20%	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO							90%	MEAN	TOTAL OBS
			30%	40%	50%	60%	70%	80%				
00-02	100.0	100.0	100.0	100.0	100.0	98.0	93.7	75.1	28.0	84.6		350
03-05	100.0	100.0	100.0	100.0	99.5	98.5	92.1	74.0	28.7	84.5		407
06-08	100.0	100.0	100.0	99.8	98.3	91.0	81.0	56.3	12.7	79.1		410
09-11	100.0	100.0	99.3	94.1	76.5	55.7	35.6	18.8	3.0	63.1		404
12-14	100.0	100.0	98.8	87.6	68.3	48.3	28.0	11.4	2.2	59.1		404
15-17	100.0	100.0	99.3	92.1	73.6	54.4	31.5	14.5	2.2	61.5		406
18-20	100.0	100.0	100.0	99.2	95.5	84.6	67.9	45.5	14.6	75.6		396
21-23	100.0	100.0	100.0	100.0	100.0	99.1	95.1	75.6	30.2	84.8		344
ALL HOURS	100.0	100.0	99.6	96.5	88.6	78.0	64.6	45.4	14.7	73.7		3121

MONTH: JUN

00-02	100.0	100.0	99.4	99.1	97.4	92.8	79.5	54.2	18.2	79.0		347
03-05	100.0	100.0	99.8	99.3	98.5	94.8	83.8	57.8	17.0	80.2		400
06-08	100.0	99.8	99.5	97.9	93.1	79.2	53.8	28.9	3.9	70.7		433
09-11	100.0	99.3	96.9	78.5	50.1	25.8	10.4	2.8	.5	50.9		423
12-14	100.0	99.3	93.6	64.4	38.2	17.9	6.2	2.6		46.9		419
15-17	100.0	99.5	94.9	74.3	47.8	25.2	9.0	2.2	.5	49.9		412
18-20	100.0	99.8	98.3	90.0	74.6	58.7	35.1	17.4	4.7	62.5		402
21-23	100.0	100.0	99.4	98.0	96.5	89.2	75.1	51.2	14.3	77.4		342
ALL HOURS	100.0	99.7	97.6	87.2	73.4	58.9	42.4	25.8	6.9	64.0		3178

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02	100.0	100.0	100.0	99.4	98.5	92.7	82.0	63.4	16.3	80.0	344
03-05	100.0	100.0	100.0	99.5	98.3	94.8	85.0	63.8	20.3	81.3	400
06-08	100.0	100.0	100.0	99.7	98.5	93.7	76.0	55.6	8.3	78.3	396
09-11	100.0	100.0	99.8	92.9	78.8	52.2	27.1	10.2	.5	60.8	410
12-14	100.0	100.0	97.6	84.0	62.2	37.0	18.9	6.5	1.0	55.8	413
15-17	100.0	100.0	96.5	85.7	66.7	48.9	27.8	10.3	.8	58.8	399
18-20	100.0	100.0	100.0	97.5	90.4	81.3	66.3	44.8	9.1	73.9	395
21-23	100.0	100.0	100.0	99.4	97.1	92.2	82.9	60.9	14.5	80.0	345
ALL HOURS	100.0	100.0	99.2	94.6	85.8	73.2	57.1	38.4	8.5	70.7	3102

MONTH: OCT

00-02	100.0	100.0	100.0	100.0	99.5	96.7	88.3	73.2	15.4	83.2	369
03-05	100.0	100.0	100.0	100.0	100.0	97.9	91.8	76.7	22.0	84.2	437
06-08	100.0	100.0	100.0	100.0	99.6	96.9	89.6	70.7	13.8	82.5	450
09-11	100.0	100.0	100.0	98.0	90.2	76.9	56.7	30.2	1.1	70.4	441
12-14	100.0	99.8	98.6	94.8	84.1	66.7	40.5	19.8	.7	65.6	439
15-17	100.0	100.0	99.3	96.0	88.2	77.7	54.5	32.4	5.6	70.2	448
18-20	100.0	100.0	100.0	99.8	96.6	90.5	79.6	62.4	12.0	79.8	442
21-23	100.0	100.0	100.0	100.0	99.7	95.7	86.8	74.2	14.0	82.6	372
ALL HOURS	100.0	100.0	99.7	98.5	94.5	87.0	72.9	54.1	10.4	77.1	3398

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02	100.0	100.0	100.0	99.1	98.5	96.5	90.3	78.2	29.2	84.2	339
03-05	100.0	100.0	100.0	100.0	98.8	95.3	91.8	76.8	31.7	84.4	401
06-08	100.0	100.0	100.0	99.8	98.8	96.1	93.7	78.8	27.2	84.4	415
09-11	100.0	100.0	99.7	98.0	94.2	89.1	76.1	52.0	13.2	77.0	394
12-14	100.0	99.8	98.3	95.0	87.8	74.5	56.5	36.8	8.0	70.4	400
15-17	100.0	99.8	99.0	95.6	90.3	80.4	69.5	48.2	18.4	75.2	413
18-20	100.0	100.0	100.0	98.6	96.9	91.5	83.8	70.1	27.5	82.0	425
21-23	100.0	100.0	100.0	99.1	98.3	94.5	89.6	75.9	27.5	83.7	345
ALL HOURS	100.0	99.9	99.6	98.1	95.3	89.5	81.1	64.2	22.7	80.0	3132

MONTH: DEC

HOURS LST	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	100.0	99.7	99.4	99.2	96.3	88.5	70.7	20.6	82.0	355
03-05	100.0	100.0	99.8	99.8	99.0	95.1	89.2	73.2	21.9	82.4	406
06-08	100.0	100.0	100.0	100.0	99.1	94.8	85.3	67.3	21.1	81.2	422
09-11	100.0	100.0	100.0	99.3	96.1	89.0	78.2	49.1	8.8	76.4	409
12-14	100.0	100.0	99.3	96.7	91.3	80.0	57.3	23.7	4.0	70.1	426
15-17	100.0	100.0	100.0	97.7	92.2	81.3	60.7	38.4	8.2	72.8	438
18-20	100.0	100.0	100.0	99.5	97.7	93.1	84.2	66.1	15.8	80.3	436
21-23	100.0	100.0	100.0	99.7	98.4	95.8	88.1	67.0	19.5	81.6	379
ALL HOURS	100.0	100.0	99.8	99.0	96.5	90.4	78.5	56.4	14.8	78.2	3271

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: ALL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	99.9	99.5	98.0	93.6	84.3	64.9	20.8	81.1	4251
03-05	100.0	100.0	99.9	99.5	98.2	94.1	85.5	66.9	22.9	81.7	4985
06-08	100.0	100.0	99.8	99.0	96.3	89.0	76.8	57.1	15.1	78.2	5111
09-11	100.0	99.8	98.7	91.1	78.6	62.7	46.0	26.5	4.7	65.6	5020
12-14	100.0	99.8	96.9	85.1	70.5	52.5	35.0	17.4	2.9	60.8	5059
15-17	100.0	99.8	97.2	88.0	75.2	60.1	42.0	24.3	5.7	64.0	5038
18-20	100.0	99.9	99.4	96.3	90.7	81.3	67.9	49.3	13.8	74.8	4982
21-23	100.0	100.0	99.9	99.2	97.4	92.4	82.9	63.8	19.1	80.5	4258
ALL HOURS	100.0	99.9	98.9	94.5	87.7	77.6	64.3	45.5	12.8	73.0	38704



PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	FFFFFFFFFFFF
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTTT	FFFFFFFFFFFF
PP PP	AA AA	RR RR	TT	FF
PP PP	AA AA	RR RR	TT	FF
PPPPPPPP	AA AA	RRRRRRRR	TT	FFFFFFF
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	FFFFFFF
PP	AAAAAAAAA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF

PART F

PRESSURE SUMMARIES

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD SYNOPTIC REPORTING TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SEA LEVEL PRESSURE.

IN MILLIBARS, TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR METAR REPORTING SITES.

ALTIMETER SETTING.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS.

STATION PRESSURE.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.02953 INCHES OF MERCURY (HG).

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

ALTIMETER SETTING IN INCHES  
FROM HOULY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	29.99	30.02	29.85	29.99	29.91	29.92	29.93	29.92	29.99	30.04	30.03	29.95	29.97
	SD	.205	.224	.193	.134	.092	.090	.065	.070	.111	.132	.226	.259	.175
	TOT OBS	56	50	30	47	60	60	58	60	65	87	85	85	743
0400	MEAN	29.98	30.00	29.82	29.97	29.90	29.91	29.91	29.92	29.99	30.02	30.01	29.95	29.96
	SD	.197	.209	.199	.138	.099	.093	.066	.067	.114	.134	.225	.265	.175
	TOT OBS	56	49	29	44	58	57	57	60	67	83	84	88	732
0700	MEAN	29.98	30.00	29.82	29.97	29.91	29.93	29.92	29.93	29.99	30.02	30.01	29.93	29.96
	SD	.214	.237	.199	.141	.108	.093	.065	.060	.120	.135	.220	.272	.179
	TOT OBS	57	52	29	46	59	59	58	60	64	87	81	87	739
1000	MEAN	30.01	30.01	29.85	29.99	29.92	29.94	29.94	29.94	30.02	30.05	30.04	29.97	29.98
	SD	.218	.228	.203	.136	.108	.095	.062	.065	.120	.134	.210	.270	.178
	TOT OBS	60	51	30	46	59	59	57	59	65	84	87	85	742
1300	MEAN	29.99	30.00	29.84	29.99	29.92	29.94	29.93	29.94	30.00	30.04	30.02	29.94	29.97
	SD	.225	.237	.210	.137	.108	.102	.065	.066	.122	.137	.215	.279	.182
	TOT OBS	60	50	30	48	60	58	60	60	68	87	87	87	755
1600	MEAN	29.98	29.97	29.82	29.97	29.91	29.92	29.93	29.92	29.98	30.02	30.02	29.93	29.95
	SD	.221	.241	.208	.139	.101	.100	.066	.066	.121	.135	.212	.272	.181
	TOT OBS	60	45	31	44	58	57	56	57	65	80	82	88	723
1900	MEAN	29.98	29.99	29.85	29.97	29.90	29.91	29.91	29.91	29.98	30.03	30.02	29.94	29.96
	SD	.216	.230	.184	.133	.100	.096	.061	.067	.116	.131	.214	.269	.177
	TOT OBS	59	52	30	48	61	60	59	61	66	89	87	89	761
2200	MEAN	30.00	30.01	29.86	30.00	29.92	29.93	29.92	29.93	30.00	30.04	30.02	29.96	29.97
	SD	.213	.234	.191	.133	.094	.089	.061	.069	.118	.129	.222	.265	.177
	TOT OBS	60	51	31	46	58	57	58	58	69	87	83	91	749
ALL HOURS	MEAN	29.99	30.00	29.84	29.98	29.91	29.92	29.92	29.93	29.99	30.03	30.02	29.95	29.97
	SD	.214	.230	.199	.137	.102	.096	.065	.067	.118	.134	.218	.269	.178
	TOT OBS	468	400	240	369	473	467	463	475	529	684	676	700	5944

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

STATION PRESSURE IN INCHES  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	29.45	29.45	29.34	29.43	29.36	29.37	29.38	29.37	29.45	29.50	29.46	29.41	29.42
	SD	.202	.240	.185	.128	.092	.089	.060	.067	.114	.127	.228	.254	.172
	TOT OBS	58	47	30	50	60	60	58	60	68	87	84	81	743
0400	MEAN	29.43	29.46	29.27	29.42	29.35	29.36	29.36	29.36	29.44	29.47	29.46	29.40	29.41
	SD	.194	.208	.193	.136	.098	.092	.066	.066	.110	.130	.222	.258	.173
	TOT OBS	56	49	29	44	58	57	57	60	67	83	84	88	732
0700	MEAN	29.44	29.45	29.27	29.42	29.36	29.38	29.37	29.38	29.44	29.47	29.46	29.38	29.41
	SD	.211	.235	.195	.136	.106	.093	.062	.059	.116	.130	.218	.264	.176
	TOT OBS	57	52	29	46	59	59	58	60	64	87	81	87	739
1000	MEAN	29.46	29.46	29.30	29.44	29.37	29.39	29.39	29.39	29.47	29.50	29.49	29.42	29.43
	SD	.216	.224	.200	.134	.106	.097	.060	.063	.116	.129	.208	.261	.175
	TOT OBS	60	51	30	46	59	59	57	59	65	84	87	85	742
1300	MEAN	29.44	29.45	29.30	29.44	29.37	29.39	29.38	29.39	29.45	29.49	29.47	29.39	29.42
	SD	.220	.236	.205	.135	.105	.101	.063	.065	.119	.132	.213	.272	.179
	TOT OBS	60	50	30	48	60	58	60	60	68	87	87	87	755
1600	MEAN	29.43	29.43	29.27	29.41	29.36	29.37	29.37	29.36	29.43	29.47	29.47	29.38	29.40
	SD	.219	.239	.203	.134	.101	.098	.063	.064	.117	.131	.210	.264	.178
	TOT OBS	60	45	31	44	58	57	56	57	65	80	82	88	723
1900	MEAN	29.43	29.45	29.30	29.42	29.35	29.36	29.36	29.36	29.43	29.48	29.47	29.39	29.41
	SD	.212	.226	.179	.132	.099	.094	.061	.067	.112	.128	.211	.262	.174
	TOT OBS	59	52	30	48	61	60	59	61	66	89	87	89	761
2200	MEAN	29.45	29.46	29.31	29.44	29.37	29.37	29.37	29.38	29.44	29.49	29.47	29.41	29.42
	SD	.210	.231	.188	.128	.095	.088	.060	.067	.113	.125	.220	.258	.175
	TOT OBS	60	51	31	46	58	57	58	58	69	87	83	91	749
ALL HOURS	MEAN	29.44	29.45	29.30	29.43	29.36	29.37	29.37	29.37	29.44	29.48	29.47	29.40	29.42
	SD	.211	.230	.195	.133	.101	.095	.063	.066	.115	.130	.216	.262	.175
	TOT OBS	470	397	240	372	473	467	463	475	532	684	675	696	5944

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	GGGGGG
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTTT	GGGGGGGG
PP PP	AA AA	RR RR	TT	GC GG
PP PP	AA AA	RR RR	TT	GG
PPPPPPPP	AA AA	RRRRRRRR	TT	GG
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	GG GGGG
PP	AAAAAAAAA	RR RR	TT	GG GGGG
PP	AA AA	RR RR	TT	GG GG
PP	AA AA	RR RR	TT	GGGGGGGG
PP	AA AA	RR RR	TT	GGGGGG

PART G

CROSSWIND SUMMAR.

CROSSWIND SUMMARIES.

THESE TABLES ARE CREATED FROM HOURLY AND SPECIAL OBSERVATIONS (INCLUDING PEAK GUST REMARKS). THE TABLES ARE SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY MONTH (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

THE TABLES GIVE PERCENT OCCURRENCE FREQUENCY (POF) OF THE "CROSS-RUNWAY WIND COMPONENT" FOR THE WIND SPEED CLASSES SPECIFIED IN THE TABLE HEADINGS. THERE ARE TWO COMPONENT CATEGORIES:

THE FIRST COMPONENT IS COMPUTED FROM THE REPORTED WIND DIRECTION AND WIND SPEED FROM HOURLY RECORD OR RECORD-SPECIAL OBSERVATIONS.

THE SECOND COMPONENT IS COMPUTED FROM THE HIGHEST REPORTED WIND SPEED AND DIRECTION FROM ALL OBSERVATIONS INCLUDING REMARKS, GUSTS, AND SPECIAL OBSERVATIONS.

OBSERVATION COUNTS INCLUDE CALM WINDS.

VARIABLE WINDS ARE CONSIDERED A DIRECT CROSSWIND IF THE SPEED EQUALS OR EXCEEDS THE SPECIFIED THRESHOLD WIND SPEED VALUE(S).

A TOTAL OBSERVATION COUNT IS INCLUDED.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 170-350

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JAN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	2.8	1.8	.8	398	3.5	.8	.4	488	3.3	1.4	.2	511	3.2	1.2	.4	498
CATEGORY B	3.3	2.3	1.3	398	4.3	1.2	1.0	488	3.9	2.0	.8	511	3.4	2.0	1.6	498

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	6.5	2.0	.2	496	6.2	2.2	.6	497	2.6	1.6	.8	491	3.2	1.2	.5	402
CATEGORY B	6.7	2.2	1.0	496	6.8	3.2	1.6	497	3.3	2.2	1.2	491	3.5	1.5	1.0	402

TIME (LST)	0000 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	4.4	1.7	.4	2493	4.0	1.5	.5	3781
CATEGORY B	4.8	2.3	1.2	2493	4.4	2.1	1.2	3781

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 170-350

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: FEB

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	2.1	1.2	.3	335	2.3	.8	.3	389	1.0	.8	.3	388	1.3	.3		379
CATEGORY B	2.1	1.2	.3	335	2.3	.8	.3	389	1.0	.8	.3	388	1.3	.3		379

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	2.9			373	3.0			372	1.9	.8	.3	377	1.8	.3		325
CATEGORY B	2.9			373	3.0			372	1.9	.8	.3	377	1.8	.6	.3	315

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	2.0	.4	.1	1889	2.0	.5	.1	2938
CATEGORY B	2.0	.4	.1	1889	2.0	.5	.2	2938



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 170-350

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.8			377	.9			447	.7			455	3.1	.2		453
CATEGORY B	.8			377	.9			447	.7			455	3.3	.4		453

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	4.5	1.3	.4	446	2.9	.7		443	.7			435	.5			378
CATEGORY B	4.5	1.6	.7	446	2.9	.7		443	.9	.2		435	.5			378

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	2.4	.4	.1	2232	1.8	.3	.1	3434
CATEGORY B	2.5	.6	.1	2232	1.9	.4	.1	3434

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 170-350

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: APR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.5			367	.2			457	.4	.2		466	.9	.2		463
CATEGORY B	.5			367	.2			457	.4	.2		466	1.1	.2		463

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	3.5	.2		456	2.2	.2	.2	449	1.3	.2		462	.3	.3		368
CATEGORY B	3.5	.4		456	2.2	.2	.2	449	1.3	.2	.2	462	.3	.3		368

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	1.7	.2	.0	2296	1.2	.2	.0	3488
CATEGORY B	1.7	.3	.1	2296	1.2	.2	.1	3488

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 170-350

STATION NUMBER: 163500 STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: MAY

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A				364	.5	.2		431	.2			445	1.1	.7		441
CATEGORY B	.3	.3		364	.5	.2		431	.4	.2		445	1.1	.7	.2	441

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	1.4	.2		428	1.1			436	.2			436	.3			362
CATEGORY B	1.4	.2		428	1.1			436	.2			436	.3			362

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.8	.2		2186	.6	.1		3343
CATEGORY B	.9	.2	.0	2186	.7	.2	.0	3343

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 170-350

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A				369				440				481				454
CATEGORY B				369				440				481				454

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.9	.2		454	2.0	.2		455	.4			464				374
CATEGORY B	.9	.2		454	2.0	.2		455	.4			464				374

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.6	.1		2308	.4	.1		3491
CATEGORY B	.6	.1		2308	.4	.1		3491

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 170-350

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: JUL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A				382				464	.2			484	.4	.2		483
CATEGORY B				382				464	.2			484	.4	.4	.2	483

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.8	.4		480	2.3	.2		486	.2			484				375
CATEGORY B	.8	.4		480	2.3	.4	.2	486	.2			484				375

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.8	.2		2417	.5	.1		3638
CATEGORY B	.8	.2	.1	2417	.5	.2	.1	3638

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 170-350

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: AUG

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A				372				442				449	.5			441
CATEGORY B				372				442				449	.5			441

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	1.1	.2		445	1.8	.4		449	.2			432	.3			367
CATEGORY B	1.1	.2		445	1.8	.4		449	.2			432	.3			367

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.7	.1		2216	.5	.1		3397
CATEGORY B	.7	.1		2216	.5	.1		3397

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 170-350

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: SEP

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A				351	.2			419	.2			422	1.2	.9	.5	431
CATEGORY B				351	.2			419	.2			422	1.2	.9	.5	431

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	1.4	.7		431	.7	.2		425				419	.3			357
CATEGORY B	1.4	.7		431	.9	.2		425				419	.3			357

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.7	.4	.1	2128	.5	.2	.1	3255
CATEGORY B	.8	.4	.1	2128	.6	.2	.1	3255

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING 170-350

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: OCT

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.3			389				465				478	.2			471
CATEGORY B	.3			389				465				478	.2			471

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	1.5			462	1.5	.2	.2	466	.2			471	.3			388
CATEGORY B	1.5			462	1.7	.2	.2	466	.4			471	.3			388

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.7	.0	.0	2348	.5	.0	.0	3590
CATEGORY B	.8	.0	.0	2348	.6	.0	.0	3590



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 170-350

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: NOV

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	1.4	.3		356	1.1			438	.4	.4		446	1.9			425
CATEGORY B	1.4	.3		356	1.1			438	.4	.4		446	2.1	.2		425

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	3.7	.5		429	2.7			437	1.5	.4		455	1.6	.3		365
CATEGORY B	4.0	.7	.2	429	2.7			437	1.8	.7		455	1.6	.5		365

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	2.1	.3		2192	1.8	.2		3351
CATEGORY B	2.2	.4	.0	2192	1.9	.4	.0	3351

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 170-350

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: DEC

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	2.1	.3		376	3.1	1.1		450	3.7	1.9	.6	462	3.6	1.3	.2	450
CATEGORY B	2.7	1.1	.5	376	3.3	1.3	.2	450	4.5	2.4	.9	462	3.6	1.3	.2	450

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	6.1	2.0	.9	461	4.3	1.7		465	3.0	1.5	.4	472	2.3	.8	.5	393
CATEGORY B	6.5	2.4	1.5	461	4.3	2.2	1.1	465	3.0	1.9	1.3	472	2.3	1.0	1.0	393

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	4.1	1.7	.4	2310	3.6	1.4	.3	3529
CATEGORY B	4.4	2.0	1.0	2310	3.8	1.7	.9	3529

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 170-350

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 79 - DEC 88  
MONTH: ALL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.8	.3	.1	4436	1.0	.2	.1	5330	.9	.4	.1	5487	1.4	.4	.1	5389
CATEGORY B	.9	.4	.2	4436	1.1	.3	.1	5330	1.0	.5	.2	5487	1.5	.6	.2	5389

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	2.9	.7	.1	5361	2.6	.5	.1	5380	1.0	.4	.1	5398	.9	.2	.1	4454
CATEGORY B	3.0	.8	.3	5361	2.7	.7	.3	5380	1.1	.5	.3	5398	.9	.3	.2	4454

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	1.8	.5	.1	27015	1.5	.4	.1	41235
CATEGORY B	1.9	.6	.3	27015	1.6	.5	.2	41235

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	HH	HH
PPPPPPPPPP	AAAAAAAAA	RRRRRRRRRR	TTTTTTTTTTT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PPPPPPPPPP	AA AA	RRRRRRRRRR	TT	HHHHHHHHHH	HH
PPPPPPPP	AAAAAAAAAA	RRRRRRRR	TT	HHHHHHHHHH	HH
PP	AAAAAAAAAA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH

PART H

DEGREE DAY SUMMARIES

DEGREE DAYS.

CREATED FROM HOURLY OBSERVATIONS (MAX+MIN/2 WHEN AVAILABLE), THESE TABLES GIVE THE THE NUMBER OF DEGREE DAYS FOR EACH MONTH IN EACH YEAR OF THE AVAILABLE PERIOD OF RECORD.

INCLUDED BENEATH EACH SUMMARY ARE STATISTICS BASED ON A 30-YEAR (1951-1980) POR (IF AVAILABLE). THE 30-YEAR POR PROVIDES AWS USERS WITH A SUMMARY CONSISTENT WITH OTHER STANDARD CLIMATIC PUBLICATIONS, NOTABLY THOSE OF THE NATIONAL CLIMATIC DATA CENTER (NCDC). NOTE THAT THE 30-YEAR POR WILL CHANGE TO 1961-1990 AS SOON AS DATA FOR DECEMBER 1990 HAS BEEN PROCESSED.

MONTHS WITH NO AVAILABLE DATA AND MONTHS WITH A VALUE OF ZERO APPEAR AS BLANKS IN THESE TABLES. ASTERISKS (\*\*\*\*) DENOTE AN INCOMPLETE MONTH WITH A DAY (OR DAYS) THAT CANNOT BE CALCULATED (FILLED IN) AUTOMATICALLY.

HEATING DEGREE DAYS.

ONE "HEATING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE MEAN TEMPERATURE FALLS BELOW A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES\* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE ON A GIVEN DAY IS 57 DEGREES, THAT DAY IS SAID TO HAVE 8 HEATING DEGREE DAYS.

COOLING DEGREE DAYS.

ONE "COOLING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE TEMPERATURE RISES ABOVE A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES\* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE FOR A GIVEN DAY IS 73 DEGREES, THAT DAY IS SAID TO HAVE 8 COOLING DEGREE DAYS.

\*65 DEGREES FAHRENHEIT HAS BEEN SELECTED AS THE NATIONWIDE STANDARD "BASE TEMPERATURE" AT WHICH (AT LEAST THEORETICALLY) NO HEATING OR COOLING IS REQUIRED. IF ANOTHER BASE TEMPERATURE IS USED IN THESE TABLES, IT WAS SPECIALLY REQUESTED BY THE STATION, AND IS NOTED.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR PART TIME PERIODS.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

HEATING DEGREE DAYS  
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 163500      STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 65 - DEC 88

.....  
YEARS    |    JAN    FEB    MAR    APR    MAY    JUN    JUL    AUG    SEP    OCT    NOV    DEC    ANN  
.....

.....  
MEAN    |

SD    |

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

COOLING DEGREE DAYS  
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 163500

STATION NAME: CROTONE ITALY  
LST TO UTC: - 1

PERIOD OF RECORD: JAN 65 - DEC 88

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
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MEAN

SD

A W S	STATION NAME: CROTONE ITALY	FIELD ELEV: 517 FT
CLIMATIC BRIEF	LATITUDE/LONGITUDE: 39 00 N 017 05 E	STATION MSC: 163500
	HOURLY OBS POR: JAN 79 - DEC 88	CALL SIGN: LIBC
	SUMMARY OF DAY POR: JUL 57-DEC 58, OCT 64-MAR 71, JAN 73-DEC 88	
	HOURS SUMMARIZED: 0400 - 2000 LST	SUPERSEDES: N/A
JUN 90	LST TO UTC: -01	

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
EXTRM MAX TEMP (F)	66	68	75	78	86	109	107	102	96	88	73	70	109	25
MEAN MAX TEMP (F)	54	54	57	62	71	80	86	85	79	70	61	56	68	25
MEAN TEMP (F)	49	49	51	55	63	71	77	77	72	64	56	51	61	25
MEAN MIN TEMP (F)	43	43	45	48	55	62	68	68	64	58	50	45	54	25
EXTRM MIN TEMP (F)	23	28	30	36	42	50	55	55	50	43	35	29	23	25
D/W TEMP GE 90 (F)	0	0	0	0	0	1	8	6	1	0	0	0	16	25
D/W TEMP GE 80 (F)	0	0	0	0	2	15	27	26	13	1	0	0	84	25
D/W TEMP LT 40 (F)	8	8	4	1	0	0	0	0	0	0	1	5	27	25
D/W TEMP LT 33 (F)	1	1	1	0	0	0	0	0	0	0	0	1	4	25
HEATING DEGREE DAYS	*	*	*	*	*	*	*	*	*	*	*	*	*	*
COOLING DEGREE DAYS	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MEAN DEWPOINT TEMP (F)	41	40	44	47	53	58	60	63	60	57	49	44	51	10
MEAN WET BULB TEMP (F)	44	44	47	51	57	63	67	68	65	60	52	47	56	10
99.95% WCPA (FT)	1100	1150	1200	850	850	800	700	700	800	800	1100	1300	1000	10
MEAN REL HUM 07 LST(%)	81.5	80.2	81.8	82.8	79.1	70.7	65.2	72.6	78.3	82.5	84.4	81.2	78.2	10
MEAN REL HUM 13 LST(%)	70.0	69.0	67.9	65.3	59.1	46.9	42.7	49.1	55.8	65.6	70.4	70.1	60.8	10
MAX 24HR PRECIP (IN)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MAX PRECIP (IN)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
@ MEAN PRECIP (IN)	4.0	2.8	3.4	1.0	1.0	0.4	0.1	0.6	1.5	4.5	4.1	4.5	27.7	*
MIN PRECIP (IN)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
D/W PRECIP GE .01 (IN)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
D/W PRECIP GT .50 (IN)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MAX 24HR SNFL (IN)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MAX SNFL (IN)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MEAN SNFL (IN)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
D/W SNFL GE .1 (IN)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
D/W SNFL GE 1.5 (IN)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MAX DLY SNO DEPTH (IN)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
PRVLNG WND DIR (DEG)	\$20-22	\$35-01	\$20-22	\$20-22	\$20-22	\$20-22	\$20-22	\$02-04	\$02-04	\$20-22	\$35-01	\$20-22	\$20-22	10
MEAN WND SPD (KTS)	8	8	7	6	5	5	5	5	5	6	6	7	6	10
MAX WND SPD (KTS)	51	45	46	40	41	42	40	30	42	45	46	61	61	25
SKY COVER GT 5/10 (%)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
D/W THUNDERSTORMS	1	1	1	1	1	1	1	1	2	2	2	1	15	25
D/W FOG (VSBY LT 7 MI)	15	17	19	19	16	10	8	10	12	15	14	15	170	25

LEGEND: ANN = ANNUAL

D/W = MEAN NUMBER OF DAYS WITH

& = BASED ON LESS THAN FULL MONTHS

\*\* = INSTANTANEOUS PEAK WINDS

\* = DATA NOT AVAILABLE

POR/YOR = PERIOD/YEARS OF RECORD

WCPA = WORST CASE MAXIMUM PRESSURE ALTITUDE

# = LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE

\$ = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN WIND DIRECTION



		PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBILITY													
MONTH		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
CIG LT 3000 FT AND/OR VSBY LT 3 MI	LST														
	04 - 05	15.7	17.7	17.9	18.8	13.7	5.2	5.6	4.1	5.7	13.8	15.1	12.2	12.1	10
	06 - 08	18.7	17.4	19.9	21.2	14.3	3.7	3.5	4.0	8.1	15.0	20.3	11.4	13.1	10
	09 - 11	16.1	16.1	18.2	17.5	12.5	3.5	4.1	3.8	5.6	12.3	13.8	13.5	11.4	10
	12 - 14	21.0	22.0	26.2	18.3	11.7	6.1	6.0	7.9	7.6	20.4	18.9	16.6	15.2	10
	15 - 17	18.5	22.1	26.0	17.1	10.4	4.8	5.3	4.5	7.3	19.2	18.1	19.2	14.4	10
	18 - 20	19.7	26.9	25.1	15.2	8.8	1.9	2.7	2.8	6.2	13.7	16.0	16.4	12.9	10
	ALL	17.9	20.2	21.9	18.1	11.9	3.9	4.4	4.1	6.3	14.8	16.7	14.9	12.9	10
CIG LT 1500 FT AND/OR VSBY LT 3 MI	04 - 05	9.6	12.2	13.9	15.1	12.3	4.3	5.4	2.9	4.8	9.3	8.7	6.0	8.7	10
	06 - 08	13.0	12.2	15.0	17.1	13.2	2.9	3.1	2.2	6.6	9.6	12.0	6.0	9.4	10
	09 - 11	9.8	11.6	12.2	9.9	7.9	.4	1.5	1.4	2.1	6.4	6.8	6.2	6.3	10
	12 - 14	10.9	9.9	10.8	7.3	4.7	.4	1.2	1.1	1.2	7.2	7.2	6.5	5.7	10
	15 - 17	9.7	12.9	13.3	6.8	4.6	.0	1.0	.7	1.9	6.0	10.3	7.6	6.2	10
	18 - 20	9.4	16.0	16.2	11.3	5.8	.2	.4	1.2	3.1	7.4	10.1	7.7	7.4	10
	ALL	10.2	12.8	13.9	11.9	8.8	1.5	2.4	1.6	3.2	7.7	9.2	7.0	7.5	10
CIG LT 1000 FT AND/OR VSBY LT 2 MI	04 - 05	5.5	3.9	9.0	11.4	8.4	2.7	2.8	2.0	3.1	5.8	4.8	3.3	5.2	10
	06 - 08	5.9	4.7	8.2	12.5	10.1	1.7	1.9	.9	4.7	5.4	5.6	3.2	5.4	10
	09 - 11	5.0	4.5	5.8	4.3	3.4	.2	.6	.0	.5	2.1	2.3	2.0	2.6	10
	12 - 14	5.1	3.8	4.9	2.6	1.4	.0	.2	.5	.2	1.5	1.6	2.2	2.0	10
	15 - 17	4.2	4.3	5.6	2.0	1.4	.0	.8	.2	.5	2.2	3.7	3.0	2.3	10
	18 - 20	4.9	5.1	3.8	3.5	3.0	.2	.0	.7	.7	2.1	4.6	4.0	3.1	10
	ALL	5.3	4.5	7.7	6.4	5.1	.9	1.2	.8	1.4	3.4	3.9	3.1	3.6	10
CIG LT 200 FT AND/OR VSBY LT 1/2 MI	04 - 05	.2	.5	2.7	4.1	3.7	.5	1.1	.7	.7	1.9	1.6	.7	1.5	10
	06 - 08	1.0	1.0	2.4	2.8	1.8	.2	.8	.2	2.1	1.9	2.5	1.7	1.5	10
	09 - 11	.2	1.1	.2	.2	.2	.0	.4	.0	.0	.2	.2	.0	.2	10
	12 - 14	.0	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.7	.1	10
	15 - 17	.0	.5	.0	.0	.0	.0	.0	.0	.2	.4	.5	.0	.1	10
	18 - 20	.2	.3	.2	.0	.0	.0	.0	.0	.2	.0	.2	.2	.1	10
	ALL	.5	.7	1.3	1.1	.9	.1	.4	.1	.4	.8	.8	.7	.7	10
HURRICANES/TROPICAL STORMS OBSERVED : NONE															
REMARKS : @ SOD DATA SUPPLEMENTED FROM THE WORLDWIDE AIRFIELD CLIMATIC DATA, VOL X,PART 4, APRIL 1971															

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